

**COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION**

In the Matter of:

THE APPLICATION OF)	
NEW CINGULAR WIRELESS PCS, LLC,)	
A DELAWARE LIMITED LIABILITY COMPANY,)	
D/B/A AT&T MOBILITY)	
AND UNITI TOWERS LLC, A DELAWARE)	
LIMITED LIABILITY COMPANY)	
FOR ISSUANCE OF A CERTIFICATE OF PUBLIC)	CASE NO.: 2020-00328
CONVENIENCE AND NECESSITY TO CONSTRUCT)	
A WIRELESS COMMUNICATIONS FACILITY)	
IN THE COMMONWEALTH OF KENTUCKY)	
IN THE COUNTY OF METCALFE)	

SITE NAME: WISDOM RELO / DRY FORK ROAD

* * * * *

**APPLICATION FOR
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY
FOR CONSTRUCTION OF A WIRELESS COMMUNICATIONS FACILITY**

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company (“Applicants”), by counsel, pursuant to (i) KRS §§ 278.020, 278.040, 278.650, 278.665, and other statutory authority, and the rules and regulations applicable thereto, and (ii) the Telecommunications Act of 1996, respectfully submit this Application requesting issuance of a Certificate of Public Convenience and Necessity (“CPCN”) from the Kentucky Public Service Commission (“PSC”) to construct, maintain, and operate a Wireless Communications Facility (“WCF”) to serve the customers of the Applicants with wireless communications services.

In support of this Application, Applicants respectfully provide and state the following

information:

1. The complete names and addresses of the Applicants are: New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility, having an address of Meidinger Tower, 462 S. 4th Street, Suite 2400, Louisville, Kentucky 40202 and Uniti Towers LLC, a Delaware limited liability company having an address of 10802 Executive Center Drive, Benton Building, Suite 300, Little Rock, Arkansas 72211.

2. Applicants propose construction of an antenna tower for communications services, which is to be located in an area outside the jurisdiction of a planning commission, and Applicants submit this application to the PSC for a certificate of public convenience and necessity pursuant to KRS §§ 278.020(1), 278.040, 278.650, 278.665, and other statutory authority.

3. AT&T Mobility is a limited liability company organized in the State of Delaware on October 20, 1994. Uniti Towers is a limited liability company organized in the State of Delaware on December 2, 2015.

4. Applicants attest that they are in good standing in the state in which they are organized and further state that they are authorized to transact business in Kentucky.

5. The Certificates of Authority filed with the Kentucky Secretary of State for both Applicants are attached as part of **Exhibit A** pursuant to 807 KAR 5:001: Section 14(3).

6. AT&T Mobility operates on frequencies licensed by the Federal Communications Commission ("FCC") pursuant to applicable FCC requirements. Copies of AT&T Mobility's FCC licenses to provide wireless services are attached to this Application or described as part of **Exhibit A**, and the facility will be constructed and operated in

accordance with applicable FCC regulations.

7. The public convenience and necessity require the construction of the proposed WCF. The construction of the WCF will bring or improve AT&T Mobility's services to an area currently not served or not adequately served by AT&T Mobility by increasing coverage or capacity and thereby enhancing the public's access to innovative and competitive wireless communications services. The WCF will provide a necessary link in AT&T Mobility's communications network that is designed to meet the increasing demands for wireless services in Kentucky's wireless communications service area. The WCF is an integral link in AT&T Mobility's network design that must be in place to provide adequate coverage to the service area.

8. To address the above-described service needs, Applicants propose to construct a WCF at 175 Dry Fork Road, Edmonton, KY 42129 (36° 59' 34.33" North latitude, 85° 41' 17.05" West longitude), on a parcel of land located entirely within the county referenced in the caption of this application. The property on which the WCF will be located is owned by Lynn Avery Blankenship pursuant to a deed recorded at Deed Book 156, Page 761 in the office of the County Clerk. The proposed WCF will consist of a 305-foot tall tower, with an approximately 12-foot tall lightning arrestor attached at the top, for a total height of 317-feet. The WCF will also include concrete foundations and a shelter or cabinets to accommodate the placement of AT&T Mobility's radio electronics equipment and appurtenant equipment. The Applicants' equipment cabinet or shelter will be approved for use in the Commonwealth of Kentucky by the relevant building inspector. The WCF compound will be fenced and all access gate(s) will be secured. A description of the

manner in which the proposed WCF will be constructed is attached as **Exhibit B** and **Exhibit C**.

9. A list of utilities, corporations, or persons with whom the proposed WCF is likely to compete is attached as **Exhibit D**.

10. The site development plan and a vertical profile sketch of the WCF signed and sealed by a professional engineer registered in Kentucky depicting the tower height, as well as a proposed configuration for AT&T Mobility's antennas has also been included as part of **Exhibit B**.

11. Foundation design plans signed and sealed by a professional engineer registered in Kentucky and a description of the standards according to which the tower was designed are included as part of **Exhibit C**.

12. Applicants have considered the likely effects of the installation of the proposed WCF on nearby land uses and values and have concluded that there is no more suitable location reasonably available from which adequate services can be provided, and that there are no reasonably available opportunities to co-locate AT&T Mobility's antennas on an existing structure. When suitable towers or structures exist, AT&T Mobility attempts to co-locate on existing structures such as communications towers or other structures capable of supporting AT&T Mobility's facilities; however, no other suitable or available co-location site was found to be located in the vicinity of the site.

13. A copy of the Determination of No Hazard to Air Navigation issued by the Federal Aviation Administration ("FAA") is attached as **Exhibit E**.

14. A copy of the approval issued by the Kentucky Airport Zoning Commission

("KAZC") is attached as **Exhibit F**.

15. A copy of the geotechnical engineering report, signed and sealed by a professional engineer registered in the Commonwealth of Kentucky, is attached as **Exhibit G**. The name and address of the geotechnical engineering firm and the professional engineer registered in the Commonwealth of Kentucky who supervised the examination of this WCF site are included as part of this exhibit.

16. Clear directions to the proposed WCF site from the County seat are attached as **Exhibit H**. The name and telephone number of the preparer of **Exhibit H** are included as part of this exhibit.

17. Uniti Towers LLC, pursuant to a written agreement, has acquired the right to use the WCF site and associated property rights. A copy of the agreements or abbreviated agreements recorded with the County Clerk are attached as **Exhibit I**.

18. Personnel directly responsible for the design and construction of the proposed WCF are well qualified and experienced. The tower and foundation drawings for the proposed tower submitted as part of **Exhibit C** bear the signature and stamp of a professional engineer registered in the Commonwealth of Kentucky. All tower designs meet or exceed the minimum requirements of applicable laws and regulations.

19. The Construction Manager for the proposed facility is Jeremy Culpepper and the identity and qualifications of each person directly responsible for design and construction of the proposed tower are contained in **Exhibits B & C**.

20. As noted on the Survey attached as part of **Exhibit B**, the surveyor has determined that the site is not within any flood hazard area.

21. **Exhibit B** includes a map drawn to an appropriate scale that shows the location of the proposed tower and identifies every owner of real estate within 500 feet of the proposed tower (according to the records maintained by the County Property Valuation Administrator). Every structure and every easement within 500 feet of the proposed tower or within 200 feet of the access road including intersection with the public street system is illustrated in **Exhibit B**.

22. Applicants have notified every person who, according to the records of the County Property Valuation Administrator, owns property which is within 500 feet of the proposed tower or contiguous to the site property, by certified mail, return receipt requested, of the proposed construction. Each notified property owner has been provided with a map of the location of the proposed construction, the PSC docket number for this application, the address of the PSC, and has been informed of his or her right to request intervention. A list of the notified property owners and a copy of the form of the notice sent by certified mail to each landowner are attached as **Exhibit J** and **Exhibit K**, respectively.

23. Applicants have notified the applicable County Judge/Executive by certified mail, return receipt requested, of the proposed construction. This notice included the PSC docket number under which the application will be processed and informed the County Judge/Executive of his/her right to request intervention. A copy of this notice is attached as **Exhibit L**.

24. Notice signs meeting the requirements prescribed by 807 KAR 5:063, Section 1(2) that measure at least 2 feet in height and 4 feet in width and that contain all required language in letters of required height, have been posted, one in a visible location on the

proposed site and one on the nearest public road. Such signs shall remain posted for at least two weeks after filing of the Application, and a copy of the posted text is attached as **Exhibit M**. A legal notice advertisement regarding the location of the proposed facility has been published in a newspaper of general circulation in the county in which the WCF is proposed to be located. A copy of the newspaper legal notice advertisement is attached as part of **Exhibit M**.

25. The general area where the proposed facility is to be located is rural in character.

26. The process that was used by AT&T Mobility's radio frequency engineers in selecting the site for the proposed WCF was consistent with the general process used for selecting all other existing and proposed WCF facilities within the proposed network design area. AT&T Mobility's radio frequency engineers have conducted studies and tests in order to develop a highly efficient network that is designed to handle voice and data traffic in the service area. The engineers determined an optimum area for the placement of the proposed facility in terms of elevation and location to provide the best quality service to customers in the service area. A radio frequency design search area prepared in reference to these radio frequency studies was considered by the Applicants when searching for sites for its antennas that would provide the coverage deemed necessary by AT&T Mobility. A map of the area in which the tower is proposed to be located which is drawn to scale and clearly depicts the necessary search area within which the site should be located pursuant to radio frequency requirements is attached as **Exhibit N**.

27. The tower must be located at the proposed location and proposed height to

provide necessary service to wireless communications users in the subject area.

28. All Exhibits to this Application are hereby incorporated by reference as if fully set out as part of the Application.

29. All responses and requests associated with this Application may be directed to:

David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpik@pikelegal.com

WHEREFORE, Applicants respectfully request that the PSC accept the foregoing Application for filing, and having met the requirements of KRS §§ 278.020(1), 278.650, and 278.665 and all applicable rules and regulations of the PSC, grant a Certificate of Public Convenience and Necessity to construct and operate the WCF at the location set forth herein.

Respectfully submitted,



David A. Pike
Pike Legal Group, PLLC
1578 Highway 44 East, Suite 6
P. O. Box 369
Shepherdsville, KY 40165-0369
Telephone: (502) 955-4400
Telefax: (502) 543-4410
Email: dpike@pikelegal.com
Attorney for Applicants

LIST OF EXHIBITS

- A - Certificate of Authority & FCC License Documentation
- B - Site Development Plan:
 - 500' Vicinity Map
 - Legal Descriptions
 - Flood Plain Certification
 - Site Plan
 - Vertical Tower Profile
- C - Tower and Foundation Design
- D - Competing Utilities, Corporations, or Persons List
- E - FAA
- F - Kentucky Airport Zoning Commission
- G - Geotechnical Report
- H - Directions to WCF Site
- I - Copy of Real Estate Agreement
- J - Notification Listing
- K - Copy of Property Owner Notification
- L - Copy of County Judge/Executive Notice
- M - Copy of Posted Notices and Newspaper Notice Advertisement
- N - Copy of Radio Frequency Design Search Area

EXHIBIT A
CERTIFICATE OF AUTHORITY & FCC LICENSE
DOCUMENTATION

Commonwealth of Kentucky
Alison Lundergan Grimes, Secretary of State

Alison Lundergan Grimes
Secretary of State
P. O. Box 718
Frankfort, KY 40602-0718
(502) 564-3490
<http://www.sos.ky.gov>

Certificate of Authorization

Authentication number: 216299
Visit <https://app.sos.ky.gov/ftshow/certvalidate.aspx> to authenticate this certificate.

I, Alison Lundergan Grimes, Secretary of State of the Commonwealth of Kentucky, do hereby certify that according to the records in the Office of the Secretary of State,

NEW CINGULAR WIRELESS PCS, LLC

, a limited liability company authorized under the laws of the state of Delaware, is authorized to transact business in the Commonwealth of Kentucky, and received the authority to transact business in Kentucky on October 14, 1999.

I further certify that all fees and penalties owed to the Secretary of State have been paid; that an application for certificate of withdrawal has not been filed; and that the most recent annual report required by KRS 14A.6-010 has been delivered to the Secretary of State.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Official Seal at Frankfort, Kentucky, this 28th day of May, 2019, in the 227th year of the Commonwealth.



Alison Lundergan Grimes
Alison Lundergan Grimes
Secretary of State
Commonwealth of Kentucky
216299/0481848



COMMONWEALTH OF KENTUCKY
ALISON LUNDERGAN GRIMES, SECRETARY OF STATE

0972004.06 mstratton
ADD
Alison Lundergan Grimes
Kentucky Secretary of State
Received and Filed:
1/3/2017 3 10 PM
Fee Receipt: \$90.00

Division of Business Filings Business Filings PO Box 718 Frankfort, KY 40602 (502) 564-3490 www.sos.ky.gov	Certificate of Authority (Foreign Business Entity)	FBE
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Pursuant to the provisions of KRS 14A and KRS 271B, 273, 274, 275, 362 and 388 the undersigned hereby applies for authority to transact business in Kentucky on behalf of the entity named below and, for that purpose, submits the following statements:

1. The entity is a: profit corporation (KRS 271B); nonprofit corporation (KRS 273); professional service corporation (KRS 274); business trust (KRS 386); limited liability company (KRS 275); professional limited liability company (KRS 275); limited partnership (KRS 362).

2. The name of the entity is Uniti Towers LLC
(The name must be identical to the name on record with the Secretary of State.)

3. The name of the entity to be used in Kentucky is (if applicable): _____
(Only provide if "real name" is unavailable for use; otherwise, leave blank.)

4. The state or country under whose law the entity is organized is Delaware

5. The date of organization is 12/2/2015 and the period of duration is _____
(If left blank, the period of duration is considered perpetual.)

6. The mailing address of the entity's principal office is
10802 Executive Center Drive, Benton Building, Suite 300 Little Rock AR 72211
Street Address City State Zip Code

7. The street address of the entity's registered office in Kentucky is
306 West Main Street - Suite 512 Frankfort KY 40601
Street Address (No P.O. Box Numbers) City State Zip Code

and the name of the registered agent at that office is C T Corporation System

8. The names and business addresses of the entity's representatives (secretary, officers and directors, managers, trustees or general partners):

<u>Daniel L. Heard</u> Name	<u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box	<u>Little Rock</u> City	<u>AR</u> State	<u>72211</u> Zip Code
<u>Kenneth Gunderman</u> Name	<u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box	<u>Little Rock</u> City	<u>AR</u> State	<u>72211</u> Zip Code
<u>Mark A. Wallace</u> Name	<u>10802 Executive Center Drive, Benton Building, Suite 300</u> Street or P.O. Box	<u>Little Rock</u> City	<u>AR</u> State	<u>72211</u> Zip Code

9. If a professional service corporation, all the individual shareholders, not less than one half (1/2) of the directors, and all of the officers other than the secretary and treasurer are licensed in one or more states or territories of the United States or District of Columbia to render a professional service described in the statement of purposes of the corporation.

10. I certify that, as of the date of filing this application, the above-named entity validly exists under the laws of the jurisdiction of its formation.

11. If a limited partnership, it elects to be a limited liability limited partnership. Check the box if applicable:

12. If a limited liability company, check box if manager-managed:

13. This application will be effective upon filing, unless a delayed effective date and/or time is provided. The effective date or the delayed effective date cannot be prior to the date the application is filed. The date and/or time is _____
(Delayed effective date and/or time)

[Signature] Keith Harvey, VP - Deputy General Counsel 12/30/2016
Signature of Authorized Representative Printed Name & Title Date

I, C T Corporation System, consent to serve as the registered agent on behalf of the business entity.

Tristan Emrich Assistant Secretary 12/30/2016
Signature of Registered Agent Printed Name Title Date

(09/15)

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "UNITI TOWERS LLC" IS DULY FORMED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE THIRTIETH DAY OF DECEMBER, A. D. 2016.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL TAXES HAVE BEEN PAID TO DATE.



5896640 8300

SR# 20167345793

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBULLOCK", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

Authentication: 203613650

Date: 12-30-16

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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

Table with Call Sign (KNLG909), File Number, and Radio Service (CW - PCS Broadband).

FCC Registration Number (FRN): 0003291192

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

This authorization is conditioned upon the full and timely payment of all monies due pursuant to Sections 1.2110 and 24.716 of the Commission's Rules and the terms of the Commission's installment plan as set forth in the Note and Security Agreement executed by the licensee. Failure to comply with this condition will result in the automatic cancellation of this authorization.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at http://wireless.fcc.gov/uls/index.htm?job=home and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLG909

File Number:

Print Date:

This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

Original
Copy

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: KNLG909

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

Call Sign WPOI255	File Number
Radio Service CW - PCS Broadband	

FCC Registration Number (FRN): 0003291192

Grant Date 05-27-2015	Effective Date 03-12-2020	Expiration Date 06-23-2025	Print Date
Market Number MTA026	Channel Block A	Sub-Market Designator 19	
Market Name Louisville-Lexington-Evansville			
1st Build-out Date 06-23-2000	2nd Build-out Date 06-23-2005	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOI255

File Number:

Print Date:

This license is conditioned upon compliance with the provisions of Applications of AT&T Wireless Services, Inc. and Cingular Wireless Corporation For Consent to Transfer Control of Licenses and Authorizations, Memorandum Opinion and Order, FCC 04-255 (rel. Oct. 26, 2004).

Spectrum Lease Associated with this License. See Spectrum Leasing Arrangement Letter dated 12/06/2004 and File # 0001918558.

The Spectrum Leasing Arrangement, which became effective upon approval of application file number 0001918558, was terminated on 04/14/2005. See file number 0002135370.

Commission approval of this application and the licenses contained therein are subject to the conditions set forth in the Memorandum Opinion and Order, adopted on December 29, 2006 and released on March 26, 2007, and revised in the Order on Reconsideration, adopted and released on March 26, 2007. See AT&T Inc. and BellSouth Corporation Application for Transfer of Control, WC Docket No. 06-74, Memorandum Opinion and Order, FCC 06-189 (rel. Mar. 26, 2007); AT&T Inc. and BellSouth Corporation, WC Docket No. 06-74, Order on Reconsideration, FCC 07-44 (rel. Mar. 26, 2007).

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WPOI255

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: LESLIE WILSON
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1016
DALLAS, TX 75202

Table with Call Sign (WQFA871), File Number, and Radio Service (CW - PCS Broadband).

FCC Registration Number (FRN): 0003291192

Table with columns: Grant Date, Effective Date, Expiration Date, Print Date, Market Number, Channel Block, Sub-Market Designator, Market Name, 1st Build-out Date, 2nd Build-out Date, 3rd Build-out Date, 4th Build-out Date.

Waivers/Conditions:

This authorization is subject to the condition that, in the event that systems using the same frequencies as granted herein are authorized in an adjacent foreign territory (Canada/United States), future coordination of any base station transmitters within 72 km (45 miles) of the United States/Canada border shall be required to eliminate any harmful interference to operations in the adjacent foreign territory and to ensure continuance of equal access to the frequencies by both countries.

This authorization is subject to the condition that the remaining balance of the winning bid amount will be paid in accordance with Part 1 of the Commission's rules, 47 C.F.R. Part 1.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at http://wireless.fcc.gov/uls/index.htm?job=home and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQFA871

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
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Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST., RM 1015
DALLAS, TX 75202

Call Sign WQGA818	File Number
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003291192

Grant Date 11-29-2006	Effective Date 08-31-2018	Expiration Date 11-29-2021	Print Date
Market Number CMA447	Channel Block A	Sub-Market Designator 0	
Market Name Kentucky 5 - Barren			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the hardcopy version. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGA818

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------

Reference Copy

REFERENCE COPY

This is not an official FCC license. It is a record of public information contained in the FCC's licensing database on the date that this reference copy was generated. In cases where FCC rules require the presentation, posting, or display of an FCC license, this document may not be used in place of an official FCC license.



Federal Communications Commission
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

LICENSEE: NEW CINGULAR WIRELESS PCS, LLC

ATTN: CECIL J MATHEW
NEW CINGULAR WIRELESS PCS, LLC
208 S AKARD ST. RM 1015
DALLAS, TX 75202

Call Sign WQGD758	File Number
Radio Service AW - AWS (1710-1755 MHz and 2110-2155 MHz)	

FCC Registration Number (FRN): 0003291192

Grant Date 12-18-2006	Effective Date 02-20-2019	Expiration Date 12-18-2021	Print Date
Market Number BEA071	Channel Block C	Sub-Market Designator 5	
Market Name Nashville, TN-KY			
1st Build-out Date	2nd Build-out Date	3rd Build-out Date	4th Build-out Date

Waivers/Conditions:

This authorization is conditioned upon the licensee, prior to initiating operations from any base or fixed station, making reasonable efforts to coordinate frequency usage with known co-channel and adjacent channel incumbent federal users operating in the 1710-1755 MHz band whose facilities could be affected by the proposed operations. See, e.g., FCC and NTIA Coordination Procedures in the 1710-1755 MHz Band, Public Notice, FCC 06-50, WTB Docket No. 02-353, rel. April 20, 2006.

Grant of the request to update licensee name is conditioned on it not reflecting an assignment or transfer of control (see Rule 1.948); if an assignment or transfer occurred without proper notification or FCC approval, the grant is void and the station is licensed under the prior name.

Conditions:

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

This license may not authorize operation throughout the entire geographic area or spectrum identified on the license. To view the specific geographic area and spectrum authorized by this license, refer to the Spectrum and Market Area information under the Market Tab of the license record in the Universal Licensing System (ULS). To view the license record, go to the ULS homepage at <http://wireless.fcc.gov/uls/index.htm?job=home> and select "License Search". Follow the instructions on how to search for license information.

Licensee Name: NEW CINGULAR WIRELESS PCS, LLC

Call Sign: WQGD758

File Number:

Print Date:

700 MHz Relicensed Area Information:

Market	Market Name	Buildout Deadline	Buildout Notification	Status
---------------	--------------------	--------------------------	------------------------------	---------------

Reference Copy

EXHIBIT B

SITE DEVELOPMENT PLAN:

**500' VICINITY MAP
LEGAL DESCRIPTIONS
FLOOD PLAIN CERTIFICATION
SITE PLAN
VERTICAL TOWER PROFILE**

FA NUMBER: 15145549 / SITE ID: KYBGN 2022

PACE #: MRTNK047947

PROJECT TRACKING #: 10124720

SITE NAME: DRY FORK RD

175 DRY FORK RD
EDMONTON, KY 42129
METCALFE COUNTY

PROPOSED 305' GUYED TOWER



A/E DOCUMENT REVIEW STATUS

TITLE	SIGNATURE	DATE
UNITI TOWERS PROP:		
UNITI TOWERS CONST. MGR.:		
INTERCONNECT:		
UNITI TOWERS SITE DEV. MGR.:		
PROPERTY OWNER:		
STATUS CODE:		
1	ACCEPTED: WITH OR NO COMMENTS, CONSTRUCTION MAY PROCEED	
2	NOT ACCEPTED: RESOLVE COMMENTS AND RESUBMIT	

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS AND AUTHORIZE THE CONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT AND MAY IMPOSE CHANGES OR MODIFICATIONS.

ZONING DRAWINGS

PROJECT SUMMARY

SITE NAME: DRY FORK RD
 SITE NUMBER: FA15145549 (10124720)
 TAX MAP PROPERTY ID: 026-00-00-039.16
 SITE ADDRESS: 175 DRY FORK RD
 EDMONTON, KY 42129

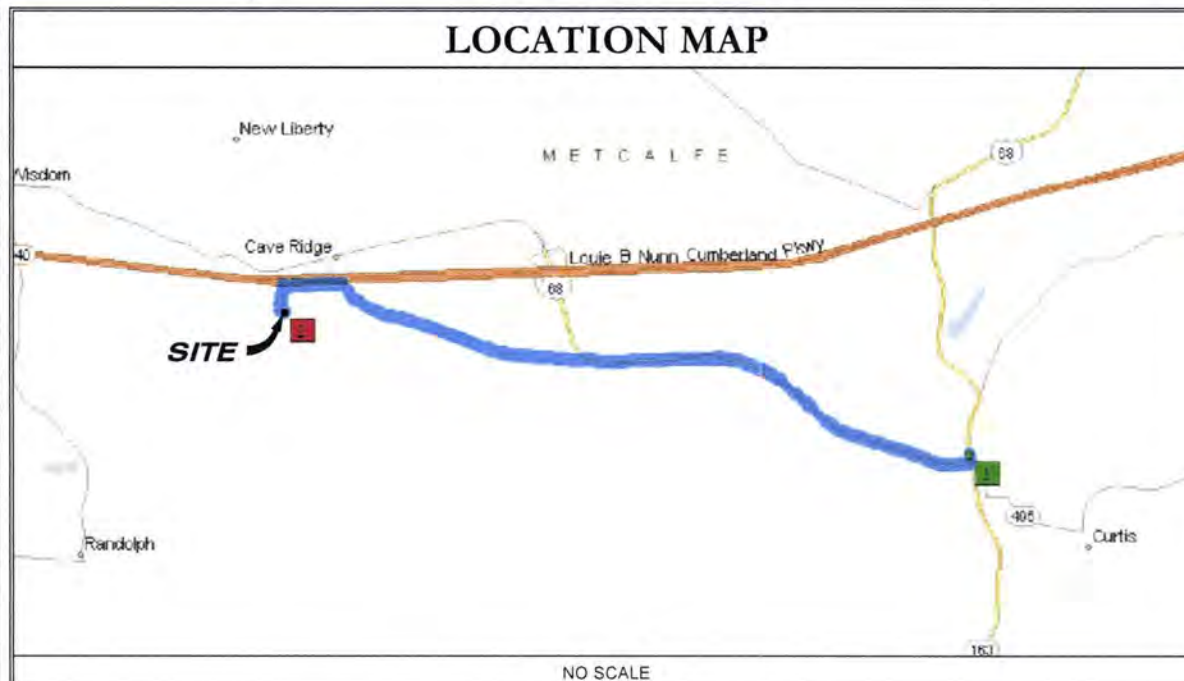
JURISDICTION: METCALFE COUNTY
 TOWER OWNER: UNITI TOWERS
 10802 EXECUTIVE CENTER DRIVE
 LITTLE ROCK, AR 72211

NAD83
 LATITUDE: 36°59'34.33" NORTH (36.992869) NAD83
 LONGITUDE: 85°41'17.05" WEST (-85.688069) NAD83

APPLICANT: NEW CINGULAR WIRELESS, PCS, LLC, A
 DELAWARE LIMITED LIABILITY COMPANY
 d/b/o AT&T MOBILITY
 MEIDINGER TOWER
 462 S/ 4th STREET, SUITE 2400
 LOUISVILLE, KY 40202

CO-APPLICANT: N/A
 OCCUPANCY TYPE: UNMANNED
 A.D.A. COMPLIANCE: FACILITY IS UNMANNED AND NOT
 FOR HUMAN HABITATION

LOCATION MAP



DRAWING INDEX

SHEET #	SHEET DESCRIPTION
T-1	TITLE SHEET
1-3	SURVEY
C-1	500' RADIUS & ADJOINER'S DRAWING
C-2	OVERALL SITE LAYOUT
C-3	ENLARGED COMPOUND LAYOUT
C-4	TOWER ELEVATION

UNITI TOWERS
DRY FORK RD
 FA# 15145549
 PACE# MRTNK047947
 PT# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305' GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	8/26/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
0	9/21/20	MAS	ZONING DRAWINGS

B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

DESIGN INFORMATION

A&E FIRM: B+T GROUP
 1717 S. BOULDER
 SUITE 300
 TULSA, OK 74119
 MIKE SPEEDIE
 (918) 587-4630

ELECTRIC PROVIDER: TRI COUNTFARMER'S RURAL
 ELECTRIC COOPERATIVE
 (270) 651-2191

SURVEYOR: POINT TO POINT LAND SURVEYORS
 100 GOVERNORS TRACE STE #103
 PEACHTREE CITY, GA 30269
 PH. (678) 565-4440

TELCO PROVIDER: AT&T
 (XXX) XXX-XXXX

DRIVING DIRECTIONS

DEPART COUNTY JUDGE EXECUTIVE'S OFFICE ON US-68 [N MAIN ST] (SOUTH) 87 YDS
 TURN RIGHT (WEST) ONTO US-68 [W STOCKTON ST] 2.5 MI
 TURN LEFT (SOUTH) ONTO KY-3234 [OLD GLASGOW RD] 2.0 MI
 TURN LEFT (SOUTH) ONTO DRY FORK RD 0.1 MI
 TURN LEFT (EAST) ONTO LOCAL ROAD(S) 65 YDS
 ARRIVE DRY FORK ROAD

PROJECT DESCRIPTION

- THE PROPOSED PROJECT INCLUDES:
- CONSTRUCT (1) NEW 305' GUYED TOWER.
 - CONSTRUCT FENCED GRAVEL UTILITY COMPOUND WITH LOCKING ACCESS GATE, 80' x 80' WITHIN 100' x 100' LEASE AREA.
 - INSTALL CONCRETE PAD AND EQUIPMENT CABINET.
 - INSTALL (1) H-FRAME W/ UTILITY EQUIPMENT.
 - INSTALL NEW POWER & TELCO UTILITY SERVICES.
 - CONSTRUCT 12' WIDE GRAVEL ACCESS ROAD.
 - CONSTRUCT (3) FENCED GUY TIE AREAS.

DO NOT SCALE DRAWINGS

ALL DRAWINGS CONTAINED HEREIN ARE FORMATTED FOR 11X17. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED OR MODIFIED BY PER THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING/DWELLING	IBC 2018
STRUCTURAL	IBC 2018
MECHANICAL	IMC 2018
ELECTRICAL	NEC 2017



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 (800) 752-6007
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!



TITLE SHEET

SHEET NUMBER:

T-1



GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PRODUCED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.01 FEET (HORZ) 0.04 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH35 PRO BASE AND ROVER, DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATES OF SURVEY: 01/28/2020
 DATUM / EPOCH: NAD_83(2011)EPOCH:2010.00000
 PUBLISHED / FIXED CONTROL USE: N/A
 GEOID MODEL: 18
 COMBINED GRID FACTOR(S): 0.99998468 CENTERED ON THE GPS BASE POINT AS SHOWN HEREON.
 CONVERGENCE ANGLE: 00°02'16.04"

TITLE EXCEPTIONS

THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PREPARED BY FIDELITY NATIONAL TITLE INSURANCE COMPANY, ISSUE DATE OF JANUARY 22, 2020, BEING ORDER NO. 30695121, FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.

2. MATTERS AS SHOWN AND NOTED ON PLAT RECORDED IN PLAT BOOK 67, PAGE 72. (THIS ITEM MAY AFFECT THE PARENT PARCEL BUT THE PROVIDED DOCUMENT IS ILLEGIBLE)

3. EASEMENT RESERVED IN DEED IN FAVOR OF WOODROW GILPIN, DONALD E. GILPIN, NETTIE GILPIN, KENNETH GILPIN AND DORIS GILPIN SET FORTH IN INSTRUMENT RECORDED ON MAY 1, 1979 IN DEED BOOK 67, PAGE 125. (THIS ITEM MAY AFFECT THE PARENT PARCEL BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED)

4. RIGHT OF WAY IN FAVOR OF COUNTY OF METCALFE SET FORTH IN INSTRUMENT RECORDED ON JUNE 24, 1997 IN DEED BOOK 101, PAGE 175. (THIS ITEM MAY AFFECT THE PARENT PARCEL BUT CONTAINS NO PLOTTABLE DESCRIPTION)

5. TERMS AND CONDITIONS OF MEMORANDUM OF SITE LEASE AGREEMENT DATED FEBRUARY 3, 2006 BY AND BETWEEN HOWARD CAWTHORN AND OPAL CAWTHORN, AND SHARED SITES, LLC, RECORDED 02/07/2006 IN DEED BOOK 130, PAGE 31; FIRST AMENDMENT TO LEASE AGREEMENT BY INSTRUMENT DATED MAY 1, 2006 AND RECORDED ON JUNE 5, 2006 IN DEED BOOK 131, PAGE 139. (THIS ITEM DOES NOT AFFECT THE PARENT PARCEL)

6. MATTERS AS SHOWN AND NOTED ON PLAT RECORDED IN PLAT BOOK A, PAGE 1402. (THIS ITEM IS APPLICABLE TO THE PARENT PARCEL AND THE APPLICABLE ITEMS ARE SHOWN HEREON)

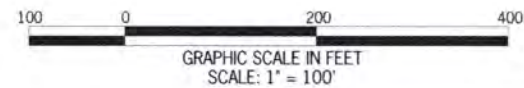
LEGEND

- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- IPS IRON PIN SET
- IPF IRON PIN FOUND
- CMF CONCRETE MONUMENT FOUND
- UP UTILITY POLE
- R/W RIGHT-OF-WAY
- HWF HOG WIRE FENCE
- RB REBAR
- SDMH STORM DRAIN MANHOLE
- INV INVERT
- FH FIRE HYDRANT
- EP EDGE OF PAVEMENT
- TC TOP OF CURB
- BC BACK OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- OU OVERHEAD UTILITY
- UE UNDERGROUND UTILITY
- CMP CORRUGATED METAL PIPE
- RCF REINFORCED CONCRETE PIPE
- PVC POLYVINYL CHLORIDE PIPE
- GW GUY WIRE ANCHOR
- TR TRANSFORMER
- JB JUNCTION BOX
- SWCB SINGLE WING CATCH BASIN
- DWCB DOUBLE WING CATCH BASIN
- CLF CHAIN LINK FENCE
- WV WATER VALVE
- WM WATER METER
- CO SEWER CLEAN-OUT
- GV GAS VALVE
- N/F NOW OR FORMERLY
- IB ICE BRIDGE
- IBP ICE BRIDGE POLE

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRAVERSE WITH SIDE SHOTS. THE UNADJUSTED PRECISION RATIO OF THE TRAVERSE EXCEEDED 1:10,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN URBAN SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER 201 KAR 18:150 AND IN EFFECT ON THE DATE OF THIS SURVEY.

G. Darrell Taylor 02/04/2020
 G. DARRELL TAYLOR, PLS 4179 DATE



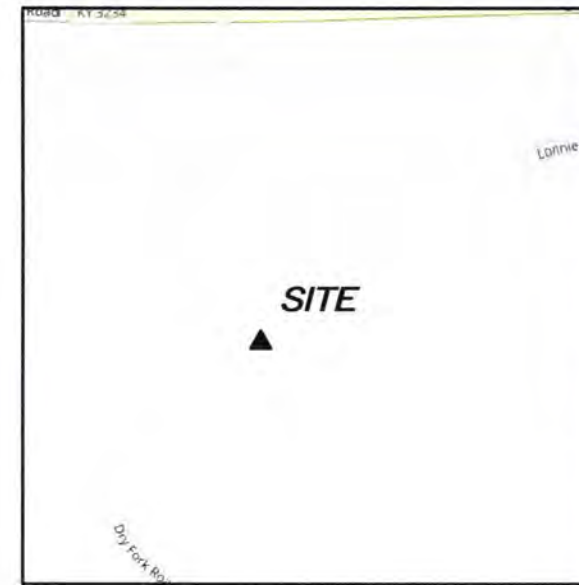
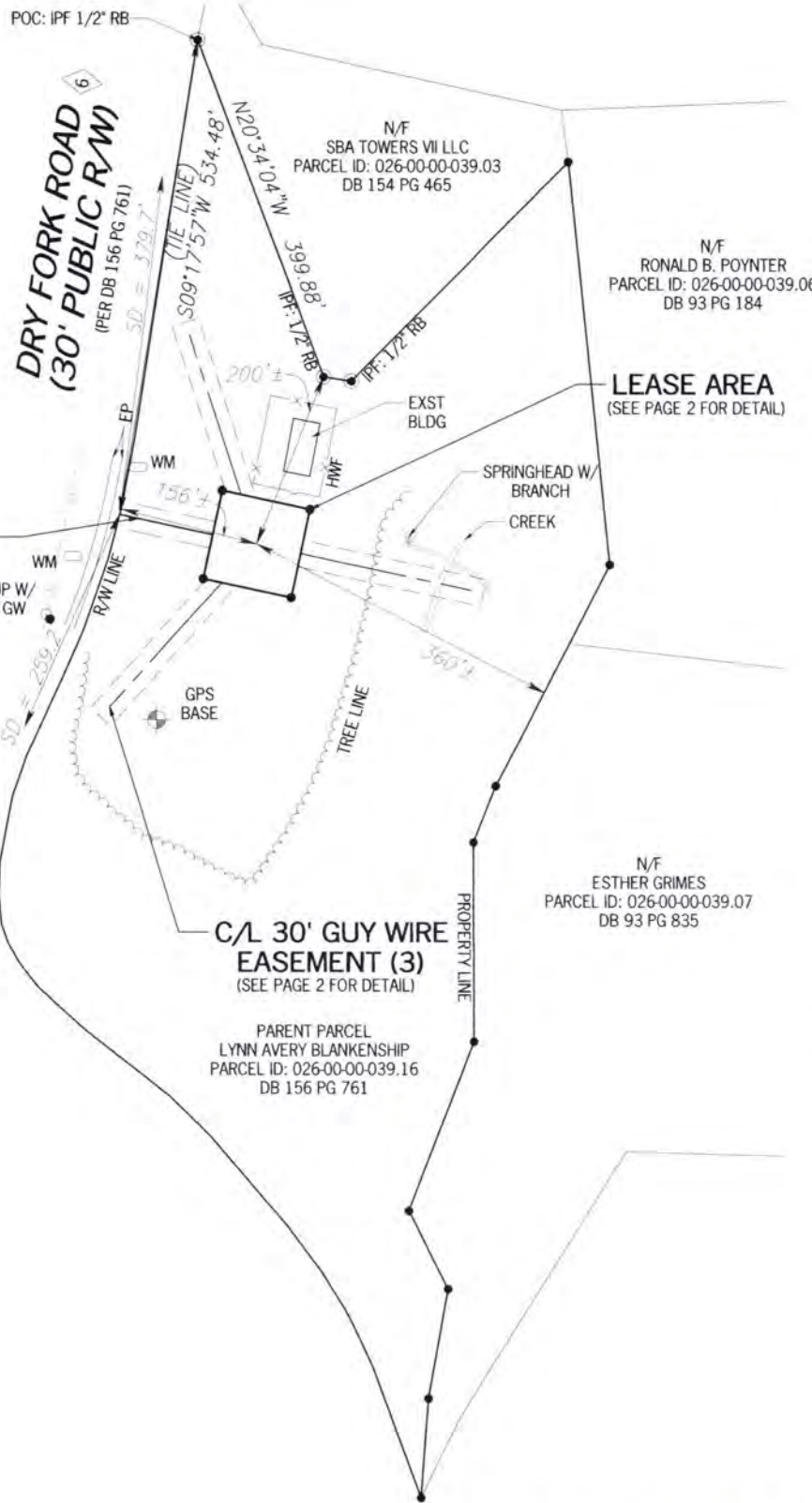
C/L 30' INGRESS-EGRESS & UTILITY EASEMENT

C/L 30' GUY WIRE EASEMENT (3)
 (SEE PAGE 2 FOR DETAIL)

PARENT PARCEL
 LYNN AVERY BLANKENSHIP
 PARCEL ID: 026-00-00-039.16
 DB 156 PG 761

PARENT PARCEL

OWNER: LYNN AVERY BLANKENSHIP
 SITE ADDRESS: DRY FORK ROAD, EDMONTON, KY 42129
 PARCEL ID: 026-00-00-039.16
 AREA: 12.25 ACRES (PER TAX ASSESSOR)
 ZONED: NO ZONING IN UNINCORPORATED METCALFE COUNTY
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: DEED BOOK 156 PAGE 761



VICINITY MAP
 NOT TO SCALE

GENERAL NOTES

* THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF UNITI TOWERS, LLC AND EXCLUSIVELY FOR THE TRANSFERRAL OF THE PROPOSED LEASED PREMISES AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EXHIBIT OR EVIDENCE IN THE FEE SIMPLE TRANSFERRAL OF THE PARENT PARCEL NOR ANY PORTION OR PORTIONS THEREOF. BOUNDARY INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TAX MAPS AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.

THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.

THE FIELD DATA UPON WHICH THIS SPECIFIC PURPOSE SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10,000+ FEET AND AN ANGULAR ERROR OF 5.0" PER ANGLE POINT AND WAS NOT ADJUSTED FOR CLOSURE.

EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TPS 1200 ROBOTIC & GEOMAX ZENITH 35. (DATE OF LAST FIELD VISIT: 01/28/2020)

THE 1' CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD 88 DATUM (COMPUTED USING GEOID18) AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTOURS OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.

BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH (NAD 83) KENTUCKY ZONE.

PER THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD). COMMUNITY PANEL NO.: 21169C0175C DATED: 05/03/2010

NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY.

ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.

ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEES THAT ANY UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

SURVEY NOT VALID WITHOUT SHEETS 2 AND 3



**Know what's below.
 Call before you dig.**

STATE OF KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

NO.	DATE	REVISION

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointpointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



DRY FORK RD

SITE NO.
 KYBGN2022

METCALFE COUNTY, KENTUCKY

DRAWN BY: BDM	SHEET:
CHECKED BY: JKL	1
APPROVED: D. MILLER	OF 3
DATE: FEBRUARY 04, 2020	
P2P JOB #: 200092KY	

E:\Mapbox\Point To Point\PPP_Current\Jobs\2020\00092KY\KYBGN2022 Dry Fork Rd\200092KY.dwg



POC: IPF 1/2 RB
 N=3521554.0524
 E=4939271.7136

**DRY FORK ROAD
 (30' PUBLIC R/W)**
 (PER DB 156 PG 761)

**C/L 30' INGRESS-EGRESS
 & UTILITY EASEMENT**
 (RIGHTS TO BE ACQUIRED)

**C/L 30' GUY WIRE
 EASEMENT #1**
 (RIGHTS TO BE ACQUIRED)

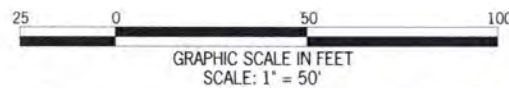
LEASE AREA
 (RIGHTS TO BE ACQUIRED)

**C/L 30' GUY WIRE
 EASEMENT #3**
 (RIGHTS TO BE ACQUIRED)

**C/L 30' GUY WIRE
 EASEMENT #2**
 (RIGHTS TO BE ACQUIRED)

POB: ING-EGR ESMT
 N=3521026.5961
 E=4939185.3484

GPS
 BASE
 TBM ELEV:
 903.1'



LEGEND

- POB POINT OF BEGINNING
- POC POINT OF COMMENCEMENT
- IPF IRON PIN SET
- CMF CONCRETE MONUMENT FOUND
- UP UTILITY POLE
- R/W RIGHT-OF-WAY
- HWF HOG WIRE FENCE
- RB REBAR
- SDMH#1 STORM DRAIN MANHOLE
- INV INVERT
- FH FIRE HYDRANT
- EP EDGE OF PAVEMENT
- TC TOP OF CURB
- BC BACK OF CURB
- TW TOP OF WALL
- BW BOTTOM OF WALL
- OU OVERHEAD UTILITY
- UE UNDERGROUND UTILITY
- CMP CORRUGATED METAL PIPE
- RCP REINFORCED CONCRETE PIPE
- PVC POLYVINYL CHLORIDE PIPE
- GW GUY WIRE ANCHOR
- TR TRANSFORMER
- JB JUNCTION BOX
- SWCB SINGLE WING CATCH BASIN
- DWCB DOUBLE WING CATCH BASIN
- CLF CHAIN LINK FENCE
- WW WATER VALVE
- WM WATER METER
- CO SEWER CLEANOUT
- CV GAS VALVE
- N/F NOW OR FORMERLY
- IB ICE BRIDGE
- IBP ICE BRIDGE POLE

SITE INFORMATION

LEASE AREA = 10,000 SQUARE FEET (0.2296 ACRES)
 LATITUDE = 36°59'34.33" (NAD 83) (36.992869°)
 LONGITUDE = -85°41'17.05" (NAD 83) (-85.688069°)
 AT CENTER OF LEASE AREA
 ELEVATION AT CENTER OF LEASE AREA = 902.2' A.M.S.L.

PARENT PARCEL

PER TITLE ORDER: 30695121

PROPERTY LOCATED IN METCALFE COUNTY, KENTUCKY

THE FOLLOWING DESCRIBED PROPERTY LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A SET IRON PIN ON THE R/W OF DRY FORKS ROAD (30 FT. R/W) A NEW CORNER TO BARTON CAWTHORN ET. AL. (DEED BOOK 131, PAGE 4); THENCE WITH THE R/W S 09 DEG. 20 MIN. 32 SEC. W 450.22 FT.; THENCE S 11 DEG. 07 MIN. 36 SEC. W 76.20 FT.; THENCE S 14 DEG. 58 MIN. 01 SEC. W 56.90 FT.; THENCE S 19 DEG. 25 MIN. 01 SEC. W 84.63 FT.; THENCE S 24 DEG. 23 MIN. 14 SEC. W 59.11 FT.; THENCE S 25 DEG. 12 MIN. 45 SEC. W 95.53 FT.; THENCE S 19 DEG. 28 MIN. 40 SEC. W 46.87 FT.; THENCE S 11 DEG. 17 MIN. 43 SEC. W 75.81 FT. TO A POINT ON THE R/W (REFERENCED N 87 DEG. 53 MIN. 13 SEC. E 28.83 FT. FROM AN EXISTING IRON PIN WITH CAP #3014); THENCE S 02 DEG. 15 MIN. 40 SEC. W 34.85 FT.; THENCE S 04 DEG. 12 MIN. 57 SEC. E 33.24 FT.; THENCE S 18 DEG. 33 MIN. 46 SEC. E 24.07 FT.; THENCE S 28 DEG. 42 MIN. 31 SEC. E 23.45 FT.; THENCE S 37 DEG. 20 MIN. 11 SEC. E 34.13 FT.; THENCE S 47 DEG. 10 MIN. 35 SEC. E 73.03 FT.; THENCE S 51 DEG. 38 MIN. 19 SEC. E 117.51 FT.; THENCE S 45 DEG. 05 MIN. 16 SEC. E 62.80 FT.; THENCE S 39 DEG. 55 MIN. 57 SEC. E 127.29 FT.; THENCE S 26 DEG. 53 MIN. 24 SEC. E 66.76 FT.; THENCE S 31 DEG. 47 MIN. 09 SEC. E 51.67 FT.; THENCE S 24 DEG. 51 MIN. 19 SEC. E 70.07 FT.; THENCE S 19 DEG. 50 MIN. 24 SEC. E 155.13 FT. TO A SET IRON PIN ON THE R/W IN THE CENTER OF A BRANCH A CORNER TO ESTER GRIMES (DEED BOOK 93 PAGE 835); THENCE WITH THE CENTER OF THE BRANCH AND THE LINE OF GRIMES N 04 DEG. 39 MIN. 33 SEC. E 11.56 FT.; THENCE N 10 DEG. 39 MIN. 13 SEC. E 123.68 FT.; THENCE N 26 DEG. 05 MIN. 47 SEC. W 97.18 FT.; THENCE N 21 DEG. 41 MIN. 13 SEC. E 201.68 FT.; THENCE N 00 DEG. 24 MIN. 13 SEC. E 221.36 FT. TO A POINT IN THE CENTER OF THE BRANCH; THENCE N 22 DEG. 30 MIN. 13 SEC. E 67.49 FT. TO A SET IRON PIN AT A 10 N. ASH SNAG AND A SMALL WATERFALL; THENCE WITH THE LINE OF GRIMES AND RONALD POYNTER (DEED BOOK 93 PAGE 184) N 27 DEG. 45 MIN. 42 SEC. E 276.90 FT. TO A SET IRON PIN AT AN 8 IN. ASH A CORNER TO POYNTER; THENCE N 05 DEG. 28 MIN. 35 SEC. W 449.97 FT. TO AN EXISTING IRON PIN WITH CAP #3014 A CORNER TO POYNTER AND BARTON CAWTHORN ET. AL. (DEED BOOK 131 PAGE 4); THENCE SEVERING THE LAND OF CAWTHORN ET. AL. WITH 3 NEW LINES S 45 DEG. 11 MIN. 51 SEC. W 31.25 FT. TO A SET IRON PIN; THENCE N 20 DEG. 06 MIN. 09 SEC. W 400.04 FT. TO THE BEGINNING CONTAINING 12.25 ACRES, MORE OR LESS.

AND BEING THE SAME PROPERTY CONVEYED TO LYNN AVERY BLANKENSHIP FROM EUGENE AVERY AND CONSTANCE AVERY, HUSBAND AND WIFE BY WARRANTY DEED DATED MAY 26, 2016 AND RECORDED JUNE 3, 2016 IN DEED BOOK 156, PAGE 761.

TAX PARCEL NO. 026-00-00-039.16

STATE of KENTUCKY
 G. DARRELL
 TAYLOR
 4179
 LICENSED
 PROFESSIONAL
 LAND SURVEYOR

NO.	DATE	REVISION

SPECIFIC PURPOSE SURVEY PREPARED BY:
**POINT TO POINT
 LAND SURVEYORS**
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointpointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



DRY FORK RD

**SITE NO.
 KYBGN2022**
 METCALFE COUNTY, KENTUCKY

DRAWN BY: BDM	SHEET:
CHECKED BY: JKL	2
APPROVED: D. MILLER	OF 3
DATE: FEBRUARY 04, 2020	
P2P JOB #: 200092KY	

SURVEY NOT VALID WITHOUT SHEETS 1 AND 3

E:\Desktop\Point to Point\2020\026-00-00-039.16\026-00-00-039.16.dwg

LEGAL DESCRIPTION SHEET

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761 METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 77°54'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 12°05'28" EAST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

SAID TRACT CONTAINS 0.2296 ACRES (10,000 SQUARE FEET), MORE OR LESS.

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30-FOOT INGRESS-EGRESS AND UTILITY EASEMENT (LYING 15-FEET EACH SIDE OF CENTERLINE) LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761 METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484 AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET ENDING AT A POINT ON THE LEASE AREA.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #1

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT (LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION) LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761 METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 21.13 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, NORTH 17°54'32" WEST, 186.26 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #2

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT (LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION) LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761 METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, SOUTH 77°54'32" EAST, 194.00 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #3

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT (LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION) LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761 METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 1/2-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 77°54'32" WEST, 78.87 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, SOUTH 42°05'28" WEST, 186.26 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

STATE of KENTUCKY
G. DARRELL
TAYLOR
4179
LICENSED
PROFESSIONAL
LAND SURVEYOR

NO.	DATE	REVISION

* SPECIFIC PURPOSE SURVEY PREPARED BY:

POINT TO POINT LAND SURVEYORS
100 Governors Trace, Ste. 103
Peachtree City, GA 30269
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:

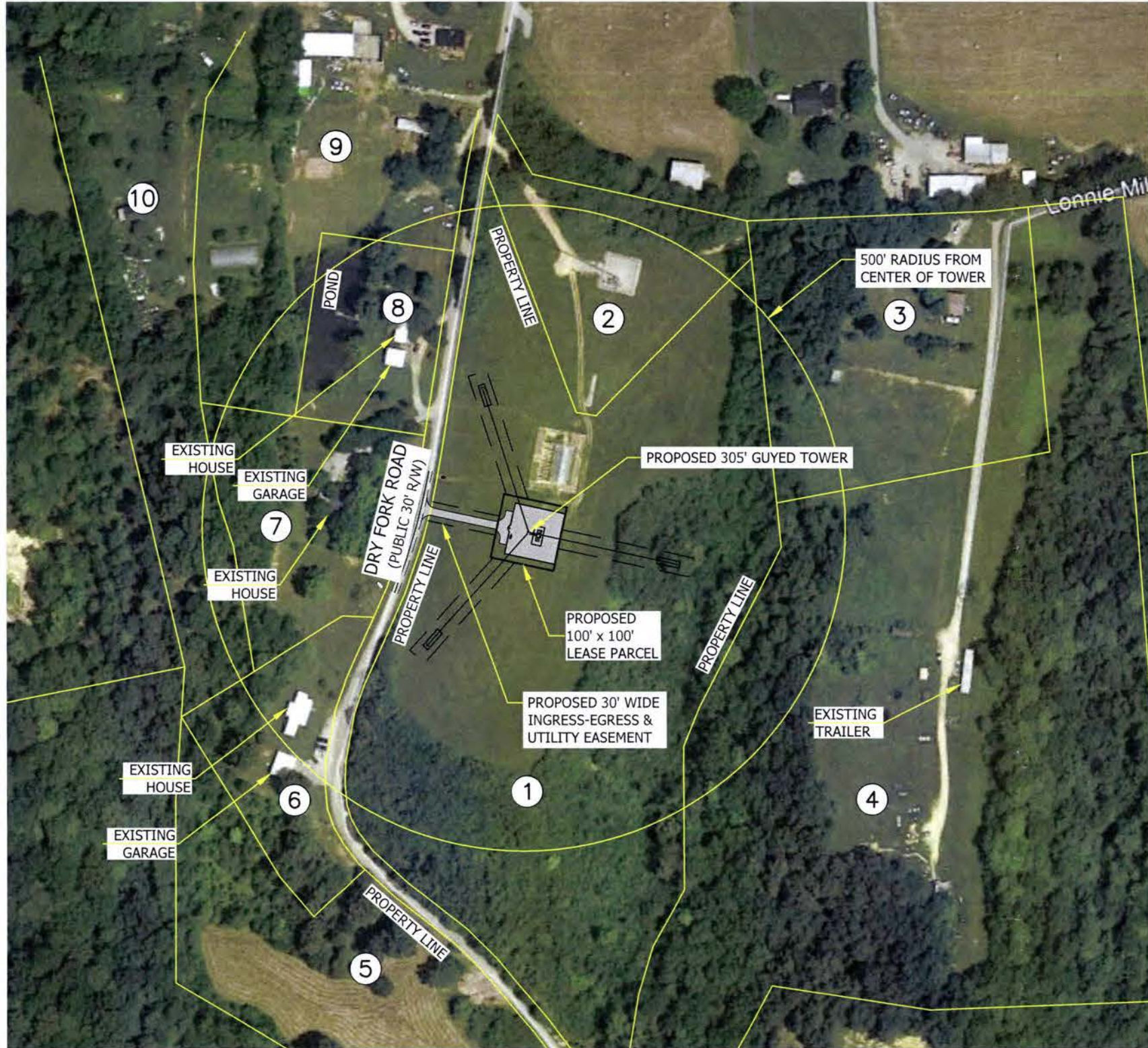


DRY FORK RD

SITE NO.
KYBGN2022

METCALFE COUNTY, KENTUCKY

DRAWN BY: BDM	SHEET:
CHECKED BY: JKL	3
APPROVED: D. MILLER	
DATE: FEBRUARY 04, 2020	
P2P JOB #: 200092KY	
	OF 3



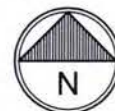
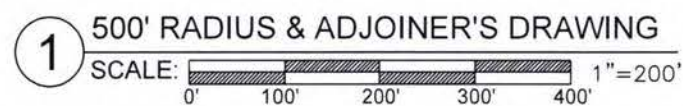
#	OWNER	ADDRESS	PID	REF
1	LYNN AVERY BLANKENSHIP	132 SUGARTREE LANE GLASGOW, KY 42141	026-00-00-039.16	DB 156 PG 761
2	SBA TOWERS VII LLC ATTN: TAX DEPT KY10687-A	8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307	026-00-00-039.03	DB 154 PG 465
3	RONALD B. POYNTER	180 LONNIE MILLER RD EDMONTON, KY 42129	026-00-00-039.06	DB 93 PG 184
4	ESTHER GRIMES	P.O. BOX 486 EDMONTON, KY 42129	026-00-00-039.07	DB 93 PG 835
5	DEAN & BARBARA AVERY	481 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.09	-
6	VICKI WORTHEY & JAMES BUTTS	220 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.10	-
7	JAMES THOMPSON & AMANDA TINSLEY	184 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.12	DB 154 PG 465
8	BILLY W. BISHOP	1050 LEGION PARK ROAD GREENSBURG, KY 42743	026-00-00-039.13	DB 93 PG 184
9	KENNETH D. COMPTON	1987 OLD GLASGOW ROAD EDMONTON, KY 42129	026-00-00-039.04	DB 93 PG 835
10	KENNETH D. COMPTON	705 S MAIN ST EDMONTON, KY 42129	026-00-00-039.15	-

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 6/1/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.
2. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
3. NOT FOR RECORDING OR PROPERTY TRANSFER.

BAT NOTE:

MUST DO TREE CLEARING BETWEEN OCTOBER 15th AND MARCH 31st, DUE TO BAT TREES ON PROPERTY



CALL KENTUCKY ONE CALL
(800) 752-6007
CALL 3 WORKING DAYS
BEFORE YOU DIG!



UNITI TOWERS
DRY FORK RD
 FA# 15145549
 PACE# MRTNK047947
 PT# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305' GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
A	8/26/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
O	9/21/20	MAS	ZONING DRAWINGS

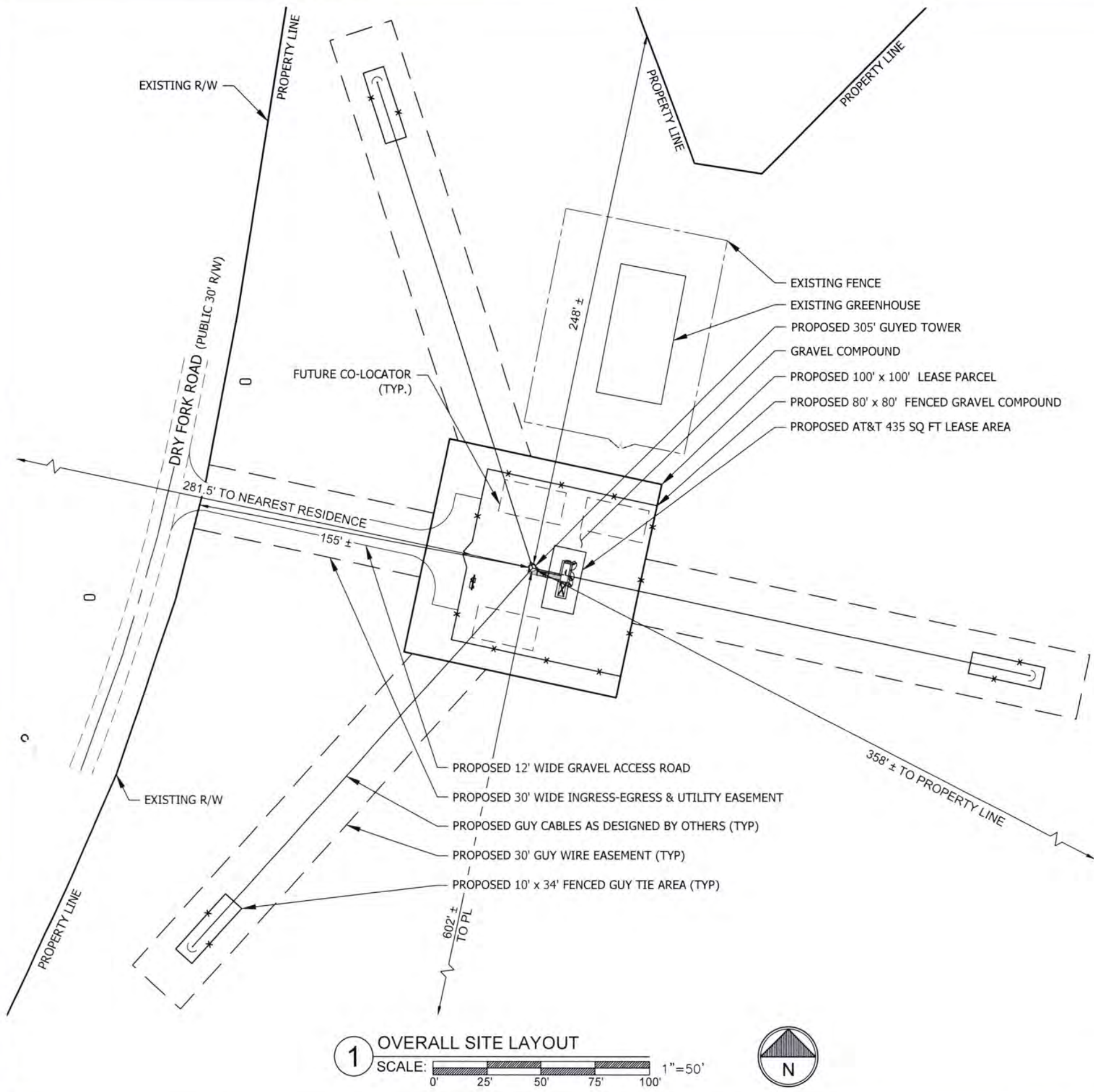
B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

500' RADIUS &
 ADJOINER'S
 DRAWING

SHEET NUMBER:
C-1



NOTES:

1. TOWER LATITUDE, LONGITUDE & ELEVATION MEET FAA"1-A" ACCURACY REQUIREMENTS.

2. PROPOSED GUYED TOWER.

CENTER OF TOWER:

LATITUDE: NORTH 36°59'34.33" (36.992869) NAD 83
 LONGITUDE: WEST 85°41'17.05" (-85.688069) NAD 83
 GROUND ELEVATION @ 902.2' (A.M.S.L.)

3. THE APPROXIMATE PERPENDICULAR DISTANCES FROM THE OUTER EDGE OF THE PROPOSED TOWER TO PARENT TRACT NEAREST PROPERTY LINE ARE AS FOLLOWS:

- NORTHWEST: 155'±
- SOUTHWEST: 602'±
- NORTHEAST: 248'±
- SOUTHEAST: 358'±



UNITI TOWERS
 DRY FORK RD
 FA# 15145549
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 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305' GUYED TOWER

PROJECT NO: 137331
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REV	DATE	DRWN	DESCRIPTION
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D	9/21/20	MAS	ZONING DRAWINGS

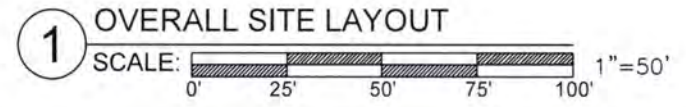
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OVERALL SITE LAYOUT

SHEET NUMBER:
C-2



CALL KENTUCKY ONE CALL
 (800) 752-6007
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!





UNITI TOWERS
 DRY FORK RD
 FA# 15145549
 PACE# MRTNK047947
 PT# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305' GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	8/26/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
0	9/21/20	MAS	ZONING DRAWINGS

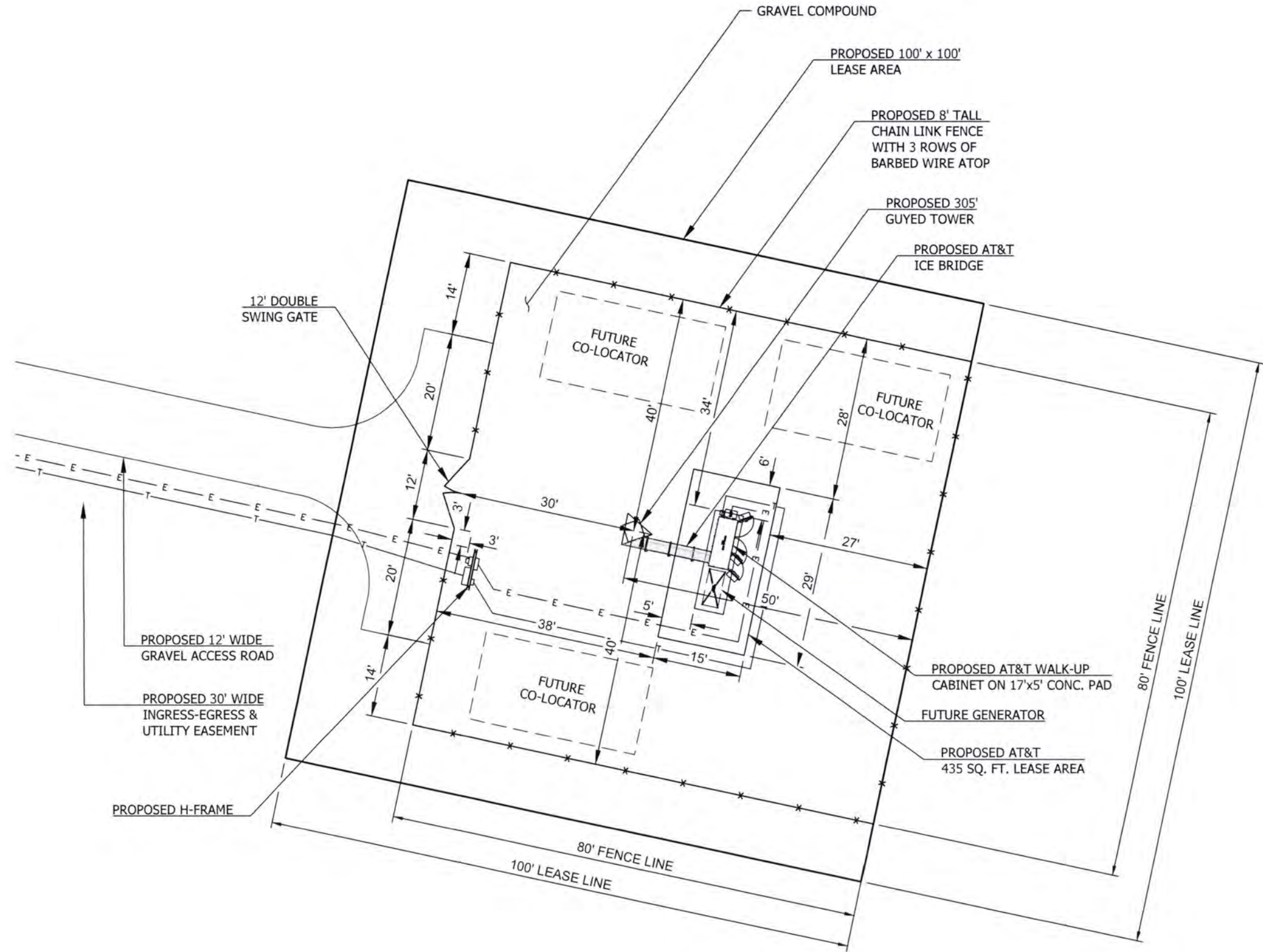
B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



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ENLARGED COMPOUND LAYOUT

SHEET NUMBER:
C-3



BAT NOTE:
 MUST DO TREE CLEARING BETWEEN OCTOBER 15th AND MARCH 31st, DUE TO BAT TREES ON PROPERTY

1 ENLARGED COMPOUND LAYOUT
 SCALE: 1"=20'
 0' 10' 20' 30' 40'



CALL KENTUCKY ONE CALL
 (800) 752-6007
 CALL 3 WORKING DAYS BEFORE YOU DIG!





UNITI TOWERS
 DRY FORK RD
 FA# 15145549
 PACE# MRTNK047947
 PT# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305' GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
A	8/26/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
0	9/21/20	MAS	ZONING DRAWINGS

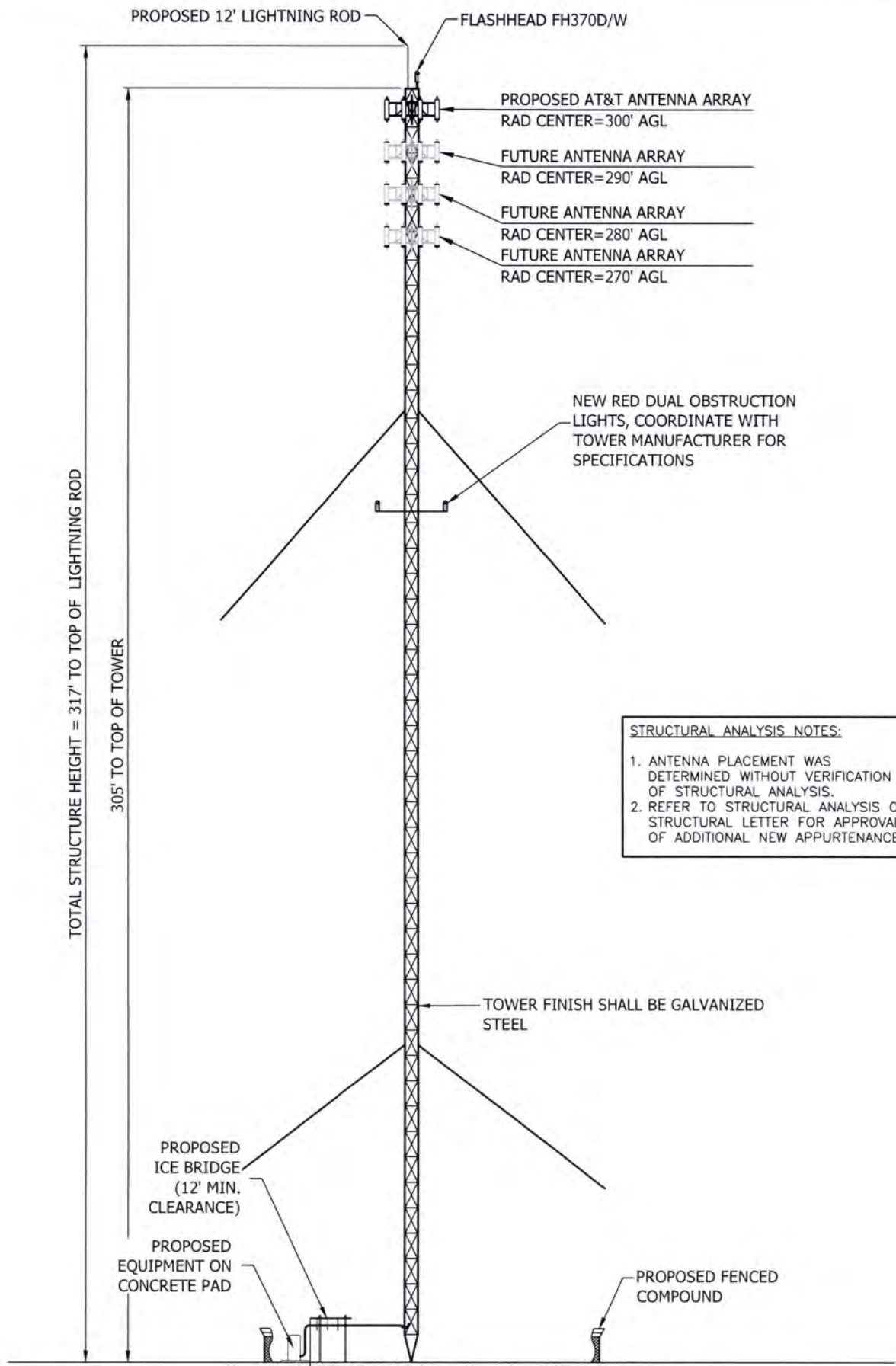
B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



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TOWER ELEVATION

SHEET NUMBER:
C-4



STRUCTURAL ANALYSIS NOTES:

1. ANTENNA PLACEMENT WAS DETERMINED WITHOUT VERIFICATION OF STRUCTURAL ANALYSIS.
2. REFER TO STRUCTURAL ANALYSIS OR STRUCTURAL LETTER FOR APPROVAL OF ADDITIONAL NEW APPURTENANCES.

1 PROPOSED TOWER ELEVATION
 SCALE: N.T.S.

EXHIBIT C
TOWER AND FOUNDATION DESIGN



Uniti Group Corporate Headquarters
10802 Executive Center Drive
Benton Building, Ste. 300
Little Rock, AR 72211
501.850.0820 | uniti.com

July 20, 2020

Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602-0615

RE: Site Name – Wisdom Relo
Proposed Cell Tower
36.9928690 North Latitude, 85.6880690 West Longitude

Dear Commissioners:

The Construction Manager for the proposed new communications facility will be Jeremy Culpepper. His contact information is (985) 707-6175 or Jeremy.Culpepper@uniti.com. Jeremy has been in the industry completing civil construction and constructing towers since 1998. He has worked at Uniti Towers LLC since 2018 completing project and construction management on new site build projects.

Thank you,

Jeremy Culpepper Digitally signed by Jeremy Culpepper
Date: 2020.07.20 11:03:00 -05'00'

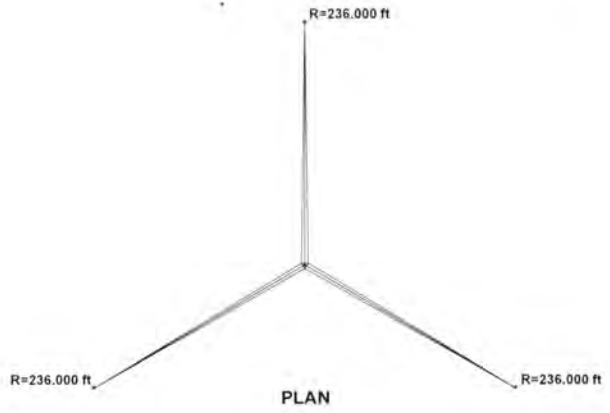
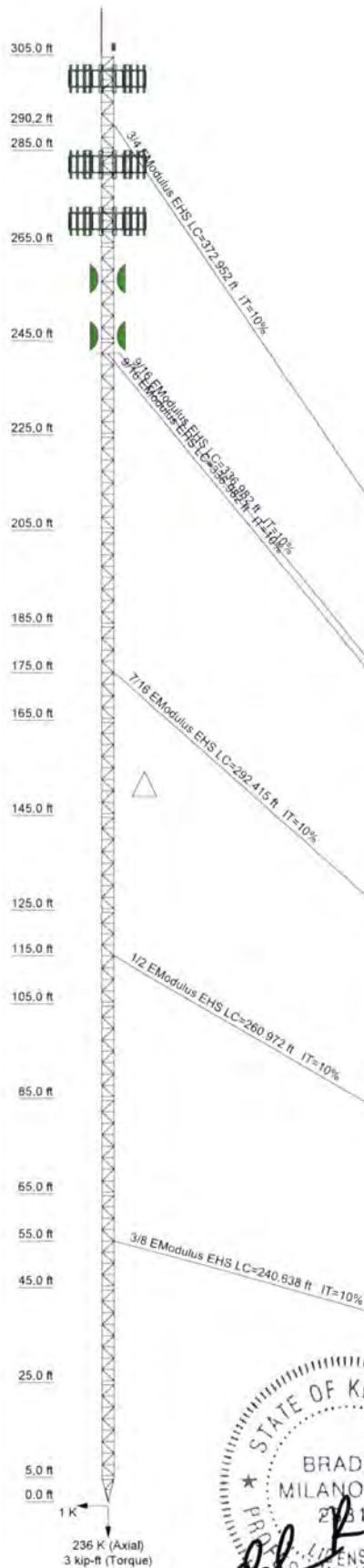
Jeremy Culpepper
Construction Manager – Tennessee/Kentucky Market
Uniti Towers LLC
(985) 707-6175

Uniti Fiber Division Headquarters
107 St. Francis Street, Ste. 1800
Mobile, AL 36602
251.662.1170 | unitifiber.com

New Orleans | Birmingham | Jackson | St. Petersburg | Dallas | Monroe

Uniti Towers Division Headquarters
10802 Executive Center Drive, Shannon Bldg., Ste. 100
Little Rock, AR 72211
501.850.0820 | unititowers.com
Domestic | International

Section:	T16	T15	T14	T13	T2	T1
Legs	SR 2	SR 2	SR 2 1/4	SR 2	SR 1 1/2	SR 1 1/2
Leg Grade	SR 2	SR 2	SR 2 1/4	SR 2	SR 1 1/2	SR 1 1/2
Diagonals	A	SR .875	SR .75	SR .875	SR 1	SR 1
Top Girts	A529-50	A529-50	A529-50	A529-50	A529-50	A529-50
Bottom Girts	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4
Horizontal	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4	SR 3/4
Top Guy Pull-Offs	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Face Width (ft)	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365
# Panels @ (ft)	B	B	B	B	B	B
Weight (K)	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365	13.9 @ 2.40365



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Lightning Rod 1"x10'	305	Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	270
Top Beacon	305	Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	270
Sector1(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	300	Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	270
Sector2(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	300	Pipe Mount (Carrier 4)	258
Sector3(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	300	Pipe Mount (Carrier 4)	258
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	282	6' MW Dish (Carrier 4)	258
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	282	6' MW Dish (Carrier 4)	258
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	282	Pipe Mount (Carrier 5)	246
		Pipe Mount (Carrier 5)	246
		6' MW Dish (Carrier 5)	246
		6' MW Dish (Carrier 5)	246

SYMBOL LIST

MARK	SIZE	MARK	SIZE
A	SR 1	B	2 @ 2.11458

MATERIAL STRENGTH

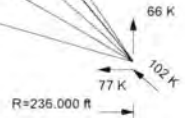
GRADE	Fy	Fu	GRADE	Fy	Fu
A529-50	50 ksi	65 ksi			

TOWER DESIGN NOTES

1. Tower is located in Metcalfe County, Kentucky.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 30 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.000 ft
8. Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity.



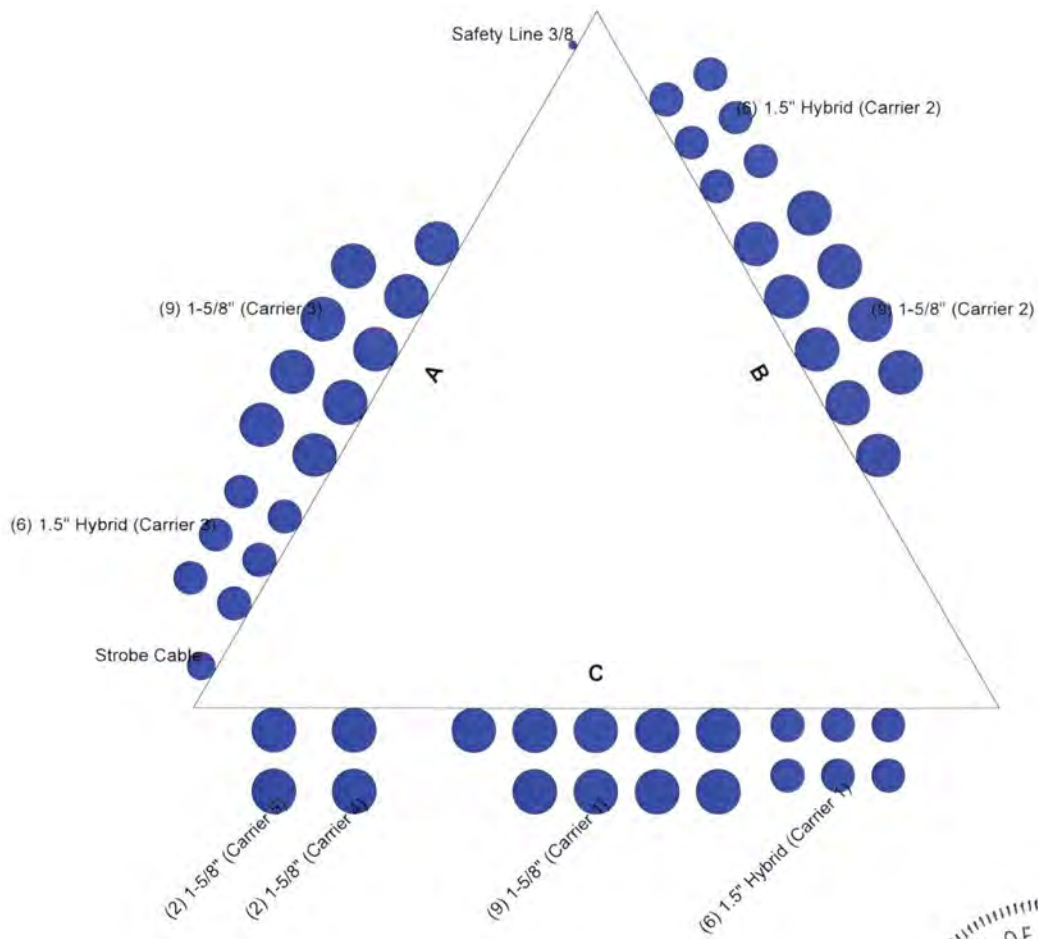
ALL REACTIONS ARE FACTORED




B+T Group
 1717 S. Boulder Ave, Ste 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

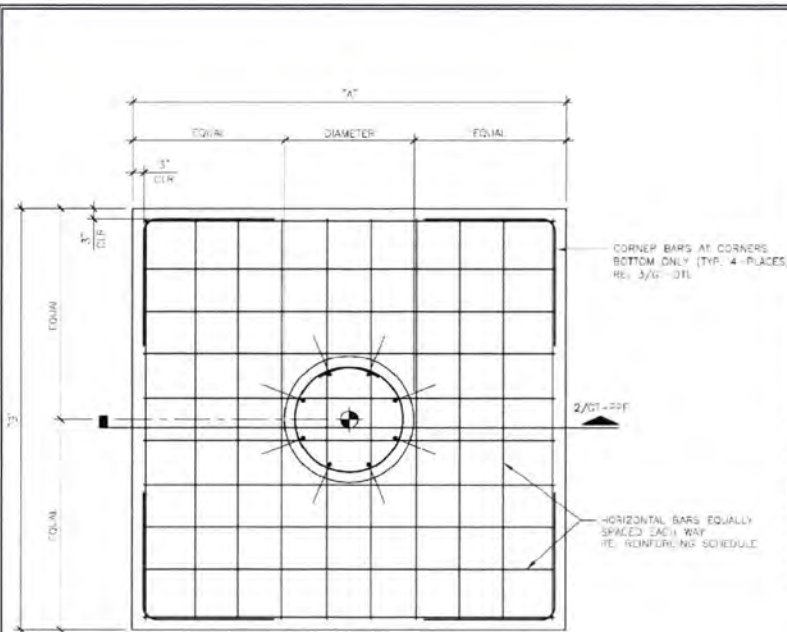
Job: **ATS #8600 - Dry Fork**
 Project: **305' 36GT - 36.992869, -85.688069**
 Client: **Uniti** Drawn by: **JLandon** App'd:
 Code: **TIA-222-G** Date: **09/29/20** Scale: **NTS**
 Path: Dwg No. **E-1**

Feed Line Plan




B+T Group
 1717 S. Boulder Ave, Ste 300
 Tulsa, OK 74119
 Phone: (918) 587-4630
 FAX: (918) 295-0265

Job: ATS #8600 - Dry Fork		
Project: 305' 36GT - 36.992869, -85.688069		
Client: Uniti	Drawn by: JLandon	App'd:
Code: TIA-222-G	Date: 09/29/20	Scale: NTS
Path:		Dwg No. E-7



NOTES:

1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
2. PRESUMPTIVE SOIL PROPERTIES FROM TIA-322-G ANNEX F WERE CONSIDERED FOR THIS PRELIMINARY DESIGN. A SITE SPECIFIC GEOTECHNICAL REPORT MUST BE PERFORMED FOR A FINAL DESIGN TO BE ISSUED AND CONSTRUCTED.
3. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 322-G STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
4. CONCRETE VOLUME IN CUBIC YARDS: 17.11
5. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
6. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
7. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6"X12" OR (3) 4"X8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6"X12" OR (6) 4"X8" CYLINDERS PER BATCH REQUIRED.
8. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (±1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
9. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.

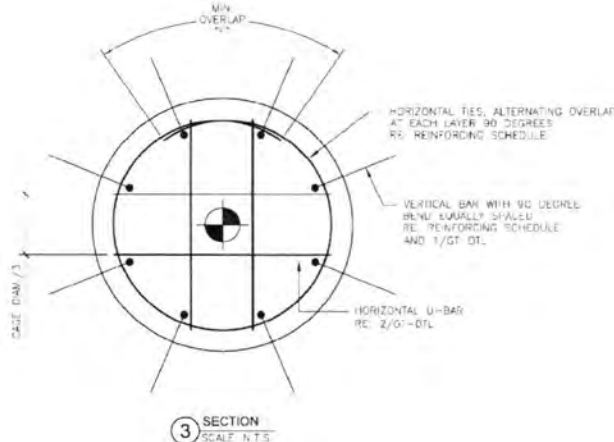
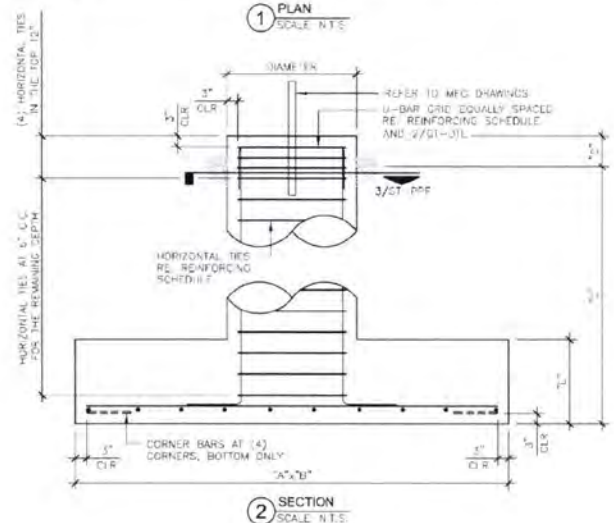
STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	14' 0"
B	14' 0"
C	0' 6"
D	6' 0"
E	2' 3"
MIN. OVERLAP	6' 3"
DIAMETER	3' 6"

REINFORCING SCHEDULE	SIZE	TOTAL QTY
VERTICAL BARS	#7	6
HORIZONTAL TIES	#4	14
U-BAR HORIZONTAL (PIEDestal)	#4	4
BOTTOM HORIZONTAL BARS	#7	28
CORNER BARS	#4	4

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	236	KIPS
HORIZONTAL	1	KIPS



B+T GRP
 1377 S BOULDER AVE #300, TULSA, OK 74119
 (918) 587-4630

ARCOSA
 TELECOM STRUCTURES

4020 TULL AVE. MUSKOGEE, OK 74403

ISSUED FOR:		
REV	DATE	DESCRIPTION
0	09/30/20	NOT FOR CONSTRUCTION

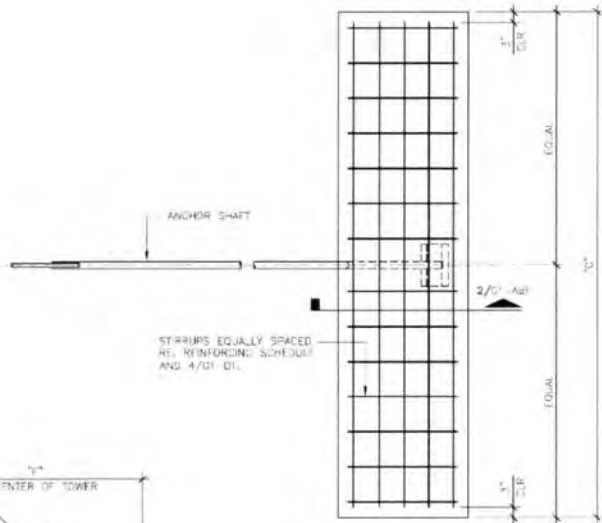


IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

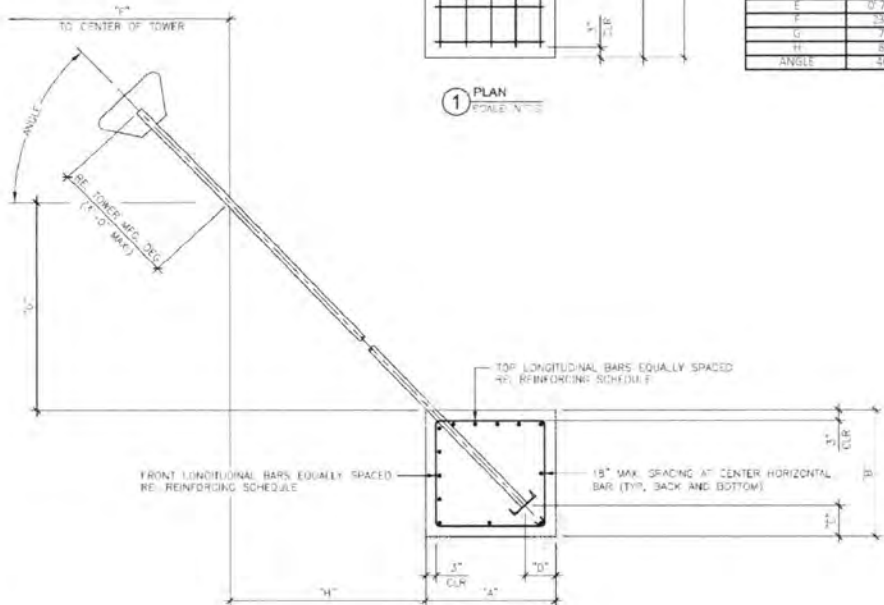
PROJECT INFORMATION:
 PROJECT NO.: 145335-001-01
 SITE NAME: DRY FORK
 SITE NO.: 8600
 CLIENT NAME: ARCOSA TELECOM STRUCTURES
 DRAWN BY: JL
 CHECKED BY:

SHEET TITLE:
 PIER AND PAD FOUNDATION

SHEET NUMBER:	REVISION:
GT-PPF	0



1 PLAN
SCALE: N = 1/2"



2 SECTION
SCALE: N = 1/2"

NOTES:

1. REINFORCEMENT STEEL SHALL CONFORM TO THE REQUIREMENT OF ASTM A-615 (GRADE 60) EXCEPT THAT TIES MAY BE ASTM-615 (GRADE 40) WITH 3" MINIMUM CLEAR COVER.
2. PRESUMPTIVE SOIL PROPERTIES FROM TIA-222-G ANNEX F WERE CONSIDERED FOR THIS PRELIMINARY DESIGN. A SITE SPECIFIC GEOTECHNICAL REPORT MUST BE PERFORMED FOR A FINAL DESIGN TO BE ISSUED AND CONSTRUCTED.
3. THIS FOUNDATION HAS BEEN DESIGNED, IN ACCORDANCE WITH THE TIA 222-G STANDARD, SPECIFICALLY FOR THE TOWER AND SOIL CONDITION REFERENCED ABOVE. IF ANYTHING DIFFERS THIS DESIGN SHALL BE CONSIDERED INVALID AND MUST BE REDESIGNED PRIOR TO CONSTRUCTION.
4. TOTAL CONCRETE VOLUME FOR (3) ANCHOR BLOCKS IN CUBIC YARDS: 8.34
5. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
6. CONCRETE MIXTURES SHALL MEET DURABILITY REQUIREMENTS OF CHAPTER 19 OF THE ACI 318-14.
7. ALL CONCRETE TESTING SHALL BE IN ACCORDANCE WITH ACI 318-14. A MINIMUM OF (2) 6" X 12" OR (3) 4" X 8" CONCRETE CYLINDERS PER INDIVIDUAL FOUNDATION AND A MINIMUM OF (6) 6" X 12" OR (6) 4" X 8" CYLINDERS PER BATCH REQUIRED.
8. SLUMP TEST SHALL BE MADE IN ACCORDANCE WITH ASTM C143. THE ALLOWABLE CONCRETE SLUMP SHALL BE 4 INCHES (+1") UNLESS ADMIXTURES ARE USED. ADMIXTURE SHALL BE IN ACCORDANCE WITH ASTM C494 STANDARD TYPES A, B, C, D OR E. THE ENGINEER SHALL PRE-APPROVE SUPER PLASTICIZER USE. DO NOT USE CHLORIDE-CONTAINING ADMIXTURES. AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C260.
9. BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM UNIT WEIGHT SPECIFIED IN GEOTECH REPORT. THE SOIL SHALL BE INSTALLED IN 6" TO 8" LIFTS AND COMPACTED THOROUGHLY TO ACHIEVE APPROPRIATE UNIT WEIGHT. UNLESS GEOTECH SPECIFIES OTHER COMPACTION REQUIREMENTS.
10. VERIFY ALL DIMENSIONS AGAINST MANUFACTURER'S DRAWINGS.
11. ANCHOR SHAFT: BY TOWER MANUFACTURER.

STIPULATION FOR REUSE:

1. THIS DRAWING WAS SPECIFICALLY DESIGNED FOR USE BY THE CUSTOMER ON THIS DRAWING AT THE SPECIFIED LOCATION. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF A PROPERLY LICENSED ENGINEER.

DIMENSIONING SCHEDULE	
A	2' 6"
B	2' 6"
C	12' 0"
D	0' 7.172"
E	0' 7.172"
F	2' 6"
G	7' 6"
H	8' 9"
ANGLE	40.6°

REINFORCING SCHEDULE	SIZE	TOTAL QTY 3 ANCHORS
STIRRUPS	# 7	42
LONGITUDINAL BARS TOP	# 7	9
LONGITUDINAL BARS FRONT	# 7	9
LONGITUDINAL BARS BACK	# 7	9
LONGITUDINAL BARS-BOTTOM	# 7	9

BASE REACTIONS: (FACTORED LOADS)		
VERTICAL	66	KIPS
HORIZONTAL	77	KIPS

B+T GRP
 1737 S BOULDER AVE #300, TULSA, OK 74119
 (918) 587-4630

ARCOSA
 TELECOM STRUCTURES
 4020 TULL AVE MUSKOGEE, OK 74403

ISSUED FOR:		
REV	DATE	DESCRIPTION
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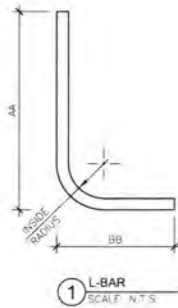
IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PROJECT INFORMATION:
 PROJECT NO: 145335.001.01
 SITE NAME: DRY FORK
 SITE NO: 8600
 CLIENT NAME: ARCOSA TELECOM STRUCTURES
 DRAWN BY: JL
 CHECKED BY:

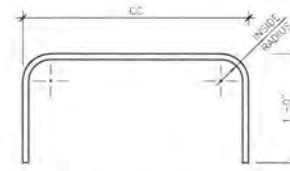
SHEET TITLE:
 ANCHOR BLOCK FOUNDATION

SHEET NUMBER:	REVISION:
GT-ABF	0

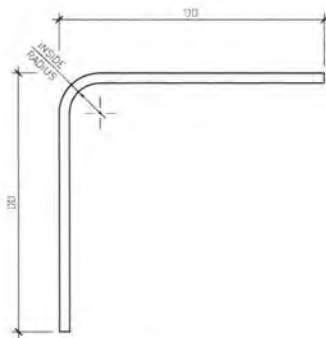
DIMENSIONING SCHEDULE	
AA	4'-10"
BB	1'-1-3/8"
CC	1'-10-5/8"
DD	3'-0"
EE	2'-0"
FF	2'-0"
GG	0'-5-1/4"
INSIDE RADIUS DETAIL 1	0'-2-5/8"
INSIDE RADIUS DETAIL 2	0'-1-1/2"
INSIDE RADIUS DETAIL 3	0'-1-1/2"
INSIDE RADIUS DETAIL 4	0'-1-3/4"



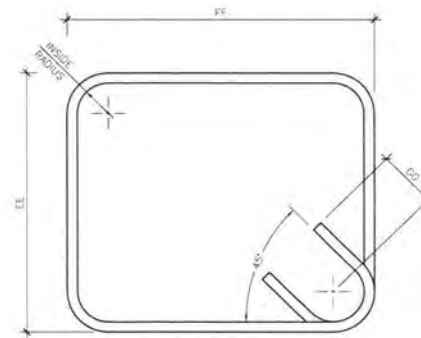
① L-BAR
SCALE: N.T.S.



② HORIZONTAL U-BAR
SCALE: N.T.S.



③ CORNER BAR
SCALE: N.T.S.



④ STIRRUP
SCALE: N.T.S.



1717 S BOULDER AVE #300, TULSA, OK 74119
(918) 587-4630



4020 TULL AVE, MUSKOGEE, OK 74403

ISSUED FOR:

REV	DATE	DESCRIPTION
0	09-30-20	NOT FOR CONSTRUCTION



IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS THEY ARE ACTING UNDER THE DIRECTIONS OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT

PROJECT INFORMATION:

PROJECT NO: 145935.001.01
SITE NAME: DRY FORK
SITE NO: 8600
CLIENT NAME: ARCOSA TELECOM STRUCTURES

DRAWN BY: JL
CHECKED BY:

SHEET TITLE:

DIMENSIONING DETAIL

SHEET NUMBER:

DTL

REVISION:

0

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS #8600 - Dry Fork	Page 1 of 52
	Project 305' 36GT - 36.992869, -85.688069	Date 16:19:39 09/29/20
	Client Uniti	Designed by JLandon

Tower Input Data

The main tower is a 3x guyed tower with an overall height of 305.000 ft above the ground line.

The base of the tower is set at an elevation of 0.000 ft above the ground line.

The face width of the tower is 3.000 ft at the top and tapered at the base.

This tower is designed using the TIA-222-G standard.

The following design criteria apply:

Tower is located in Metcalfe County, Kentucky.

Basic wind speed of 90 mph.

Structure Class II.

Exposure Category C.

Topographic Category 1.

Crest Height 0.000 ft.

Nominal ice thickness of 0.750 in.

Ice thickness is considered to increase with height.

Ice density of 56.000 pcf.

A wind speed of 30 mph is used in combination with ice.

Temperature drop of 50.000 °F.

Deflections calculated using a wind speed of 60 mph.

Please see feedline plan for proper feedline placement. Deviation from plan may reduce tower capacity..

Design is preliminary and subject to change..

Pressures are calculated at each section.

Safety factor used in guy design is 1.

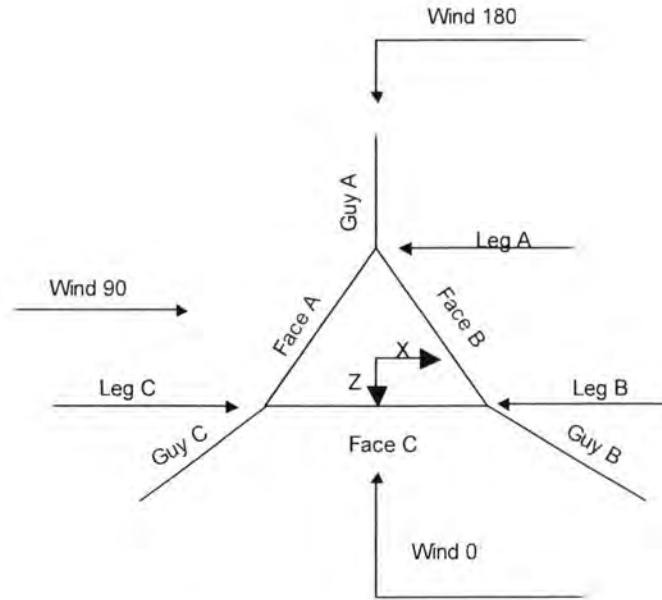
Stress ratio used in tower member design is 1.

Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

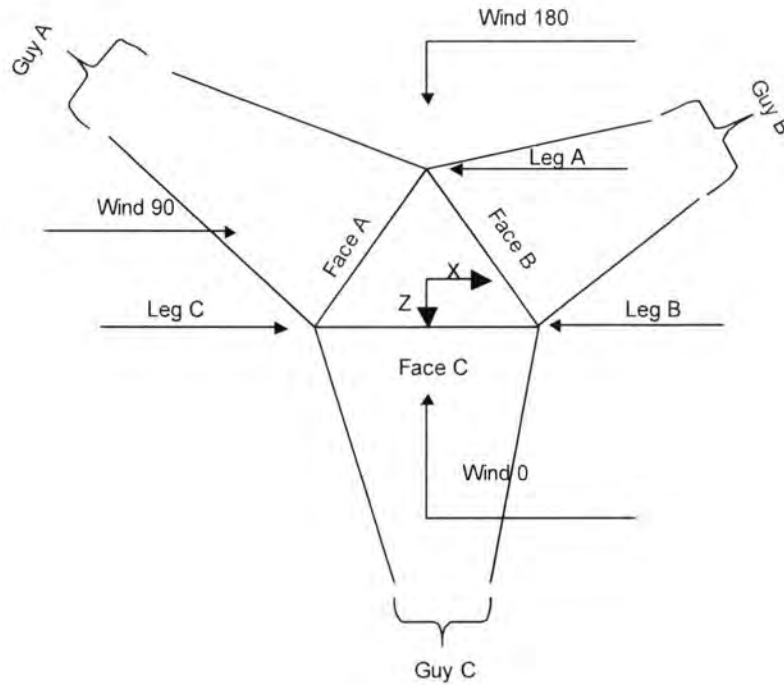
- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile √ Include Bolts In Member Capacity √ Leg Bolts Are At Top Of Section √ Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area √ Use Clear Spans For KL/r √ Retension Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt √ Autocalc Torque Arm Areas Add IBC 6D+W Combination √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules √ Calculate Redundant Bracing Forces Ignore Redundant Members in FEA √ SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque √ Include Angle Block Shear Check Use TIA-222-G Bracing Resist. Exemption Use TIA-222-G Tension Splice Exemption <li style="text-align: center;">Poles Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|--|

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS #8600 - Dry Fork	Page 2 of 52
	Project 305' 36GT - 36.992869, -85.688069	Date 16:19:39 09/29/20
	Client Uniti	Designed by JLandon



Corner & Starmount Guyed Tower

Job	ATS #8600 - Dry Fork	Page	3 of 52
Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
Client	Uniti	Designed by	JLandon



Face Guyed

Tower Section Geometry

Tower Section	Tower Elevation	Assembly Database	Description	Section Width	Number of Sections	Section Length
	ft			ft		ft
T1	305.000-285.000			3.000	1	20.000
T2	285.000-265.000			3.000	1	20.000
T3	265.000-245.000			3.000	1	20.000
T4	245.000-225.000			3.000	1	20.000
T5	225.000-205.000			3.000	1	20.000
T6	205.000-185.000			3.000	1	20.000
T7	185.000-165.000			3.000	1	20.000
T8	165.000-145.000			3.000	1	20.000
T9	145.000-125.000			3.000	1	20.000
T10	125.000-105.000			3.000	1	20.000
T11	105.000-85.000			3.000	1	20.000
T12	85.000-65.000			3.000	1	20.000
T13	65.000-45.000			3.000	1	20.000
T14	45.000-25.000			3.000	1	20.000
T15	25.000-5.000			3.000	1	20.000
T16	5.000-0.000			3.000	1	5.000

Job	ATS #8600 - Dry Fork	Page	4 of 52
Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
Client	Uniti	Designed by	JLandon

Tower Section Geometry (cont'd)

Tower Section	Tower Elevation	Diagonal Spacing	Bracing Type	Has K Brace End Panels	Has Horizontals	Top Girt Offset	Bottom Girt Offset
	ft	ft				in	in
T1	305.000-285.000	2.404	K Brace Right	No	Yes	4.625	4.625
T2	285.000-265.000	2.404	K Brace Right	No	Yes	4.625	4.625
T3	265.000-245.000	2.404	K Brace Right	No	Yes	4.625	4.625
T4	245.000-225.000	2.404	K Brace Right	No	Yes	4.625	4.625
T5	225.000-205.000	2.404	K Brace Right	No	Yes	4.625	4.625
T6	205.000-185.000	2.404	K Brace Right	No	Yes	4.625	4.625
T7	185.000-165.000	2.404	K Brace Right	No	Yes	4.625	4.625
T8	165.000-145.000	2.404	K Brace Right	No	Yes	4.625	4.625
T9	145.000-125.000	2.404	K Brace Right	No	Yes	4.625	4.625
T10	125.000-105.000	2.404	K Brace Right	No	Yes	4.625	4.625
T11	105.000-85.000	2.404	K Brace Right	No	Yes	4.625	4.625
T12	85.000-65.000	2.404	K Brace Right	No	Yes	4.625	4.625
T13	65.000-45.000	2.404	K Brace Right	No	Yes	4.625	4.625
T14	45.000-25.000	2.404	K Brace Right	No	Yes	4.625	4.625
T15	25.000-5.000	2.404	K Brace Right	No	Yes	4.625	4.625
T16	5.000-0.000	2.115	K Brace Right	No	Yes	4.625	4.625

Tower Section Geometry (cont'd)

Tower Elevation	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
ft						
T1	Solid Round	1 1/2	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
T2	Solid Round	1 1/2	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)
T3	Solid Round	2	A529-50 (50 ksi)	Solid Round	1 1/8	A529-50 (50 ksi)
T4	Solid Round	2 1/4	A529-50 (50 ksi)	Solid Round	1 1/8	A529-50 (50 ksi)
T5	Solid Round	2	A529-50 (50 ksi)	Solid Round	.875	A529-50 (50 ksi)
T6	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
T7	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
T8	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
T9	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.875	A529-50 (50 ksi)
T10	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.875	A529-50 (50 ksi)
T11	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.875	A529-50 (50 ksi)
T12	Solid Round	1 3/4	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
T13	Solid Round	2	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)
T14	Solid Round	2	A529-50 (50 ksi)	Solid Round	.75	A529-50 (50 ksi)

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #8600 - Dry Fork	Page	5 of 52
	Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
	Client	Uniti	Designed by	JLandon

Tower Elevation ft	Leg Type	Leg Size	Leg Grade	Diagonal Type	Diagonal Size	Diagonal Grade
T15 25.000-5.000	Solid Round	2	A529-50 (50 ksi)	Solid Round	875	A529-50 (50 ksi)
T16 5.000-0.000	Solid Round	2	A529-50 (50 ksi)	Solid Round	1	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Top Girt Type	Top Girt Size	Top Girt Grade	Bottom Girt Type	Bottom Girt Size	Bottom Girt Grade	
T1	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)	
305.000-285.000	T2	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
285.000-265.000	T3	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
265.000-245.000	T4	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
245.000-225.000	T5	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
225.000-205.000	T6	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
205.000-185.000	T7	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
185.000-165.000	T8	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
165.000-145.000	T9	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
145.000-125.000	T10	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
125.000-105.000	T11	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
105.000-85.000	T12	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
85.000-65.000	T13	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
65.000-45.000	T14	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
45.000-25.000	T15	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T15 25.000-5.000	T16	Solid Round	3/4	A529-50 (50 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T16 5.000-0.000							

Tower Section Geometry (cont'd)

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
305.000-285.000	T1	None	Flat Bar	A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #8600 - Dry Fork	Page	6 of 52
	Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
	Client	Uniti	Designed by	JLandon

Tower Elevation ft	No. of Mid Girts	Mid Girt Type	Mid Girt Size	Mid Girt Grade	Horizontal Type	Horizontal Size	Horizontal Grade
285.000-265.000	T2 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
265.000-245.000	T3 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
245.000-225.000	T4 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
225.000-205.000	T5 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
205.000-185.000	T6 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
185.000-165.000	T7 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
165.000-145.000	T8 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
145.000-125.000	T9 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
125.000-105.000	T10 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
105.000-85.000	T11 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
85.000-65.000	T12 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
65.000-45.000	T13 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
45.000-25.000	T14 None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T15 25.000-5.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)
T16 5.000-0.000	None	Flat Bar		A36 (36 ksi)	Solid Round	3/4	A529-50 (50 ksi)

Tower Section Geometry (cont'd)

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
305.000-285.000	T1 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
285.000-265.000	T2 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
265.000-245.000	T3 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
245.000-225.000	T4 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
225.000-205.000	T5 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000
205.000-185.000	T6 0.000	0.000	A36 (36 ksi)	1	1	1	36.000	36.000	36.000

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Tower Elevation ft	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U	Net Width Deduct in	U
T7 185.000-165.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T8 165.000-145.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T9 145.000-125.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T10 125.000-105.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T11 105.000-85.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T12 85.000-65.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T13 65.000-45.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T14 45.000-25.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T15 25.000-5.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75
T16 5.000-0.000	0.000	1	0.000	1	0.000	1	0.000	1	0.000	0.75	0.000	1	0.000	0.75

Tower Section Geometry (cont'd)

Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T1 305.000-285.000	Flange	0.750 A325N	0	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T2 285.000-265.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T3 265.000-245.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T4 245.000-225.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T5 225.000-205.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T6 205.000-185.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0

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Tower Elevation ft	Leg Connection Type	Leg		Diagonal		Top Girt		Bottom Girt		Mid Girt		Long Horizontal		Short Horizontal	
		Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.	Bolt Size in	No.
T7 185.000-165.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T8 165.000-145.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T9 145.000-125.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T10 125.000-105.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T11 105.000-85.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T12 85.000-65.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T13 65.000-45.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T14 45.000-25.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T15 25.000-5.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0
T16 5.000-0.000	Flange	0.750 A325N	3	0.000 A325N	0	0.000 A325N	0	0.000 A325N	0	0.625 A325N	0	0.000 A325N	0	0.625 A325N	0

Guy Data

Guy Elevation	Guy Grade	Guy Size	Initial Tension	%	Guy Modulus	Guy Weight	L_u	Anchor Radius	Anchor Azimuth Adj.	Anchor Elevation	End Fitting Efficiency
ft			K		ksi	plf	ft	ft	°	ft	%
55	EHS	A 3/8	1.540	10%	21000.000	0.273	240.431	236.000	0.000	0.000	100%
		B EModulus	1.540	10%	21000.000	0.273	240.431	236.000	0.000	0.000	100%
		C 3/8 EModulus	1.540	10%	21000.000	0.273	240.431	236.000	0.000	0.000	100%
115	EHS	A 1/2	2.690	10%	21000.000	0.517	260.768	236.000	0.000	0.000	100%
		B EModulus	2.690	10%	21000.000	0.517	260.768	236.000	0.000	0.000	100%
		C 1/2 EModulus	2.690	10%	21000.000	0.517	260.768	236.000	0.000	0.000	100%
175	EHS	A 7/16	2.080	10%	21000.000	0.399	292.184	236.000	0.000	0.000	100%
		B EModulus	2.080	10%	21000.000	0.399	292.184	236.000	0.000	0.000	100%
		C 7/16 EModulus	2.080	10%	21000.000	0.399	292.184	236.000	0.000	0.000	100%

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242.211	EHS	A	9/16	3.500	10%	21000.000	0.671	336.713	236.000	0.000	0.000	100%	
		B	EModulus	3.500	10%	21000.000	0.671	336.713	236.000	0.000	0.000	100%	
		C	9/16	3.500	10%	21000.000	0.671	336.713	236.000	0.000	0.000	100%	
290.193	EHS		EModulus										
			9/16										
		A	3/4	5.830	10%	19000.000	1.155	372.633	236.000	0.000	0.000	100%	
		B	EModulus	5.830	10%	19000.000	1.155	372.633	236.000	0.000	0.000	100%	
		C	3/4	5.830	10%	19000.000	1.155	372.633	236.000	0.000	0.000	100%	
			EModulus										

Guy Data(cont'd)

Guy Elevation ft	Mount Type	Torque-Arm Spread ft	Torque-Arm Leg Angle °	Torque-Arm Style	Torque-Arm Grade	Torque-Arm Type	Torque-Arm Size
55	Corner						
115	Corner						
175	Corner						
242.211	Torque Arm	6.000	0.000	Channel	A529-50 (50 ksi)	Channel	C12x20.7
290.193	Corner						

Guy Data (cont'd)

Guy Elevation ft	Diagonal Grade	Diagonal Type	Upper Diagonal Size	Lower Diagonal Size	Is Strap.	Pull-Off Grade	Pull-Off Type	Pull-Off Size
55.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
115.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
175.000	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
242.211	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8
290.193	A572-50 (50 ksi)	Solid Round			Yes	A529-50 (50 ksi)	Flat Bar	4x5/8

Guy Data (cont'd)

Guy Elevation ft	Cable Weight A K	Cable Weight B K	Cable Weight C K	Cable Weight D K	Tower Intercept A ft	Tower Intercept B ft	Tower Intercept C ft	Tower Intercept D ft
55	0.066	0.066	0.066		5.104 3.9 sec/pulse	5.104 3.9 sec/pulse	5.104 3.9 sec/pulse	

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Guy Elevation	Cable Weight A	Cable Weight B	Cable Weight C	Cable Weight D	Tower Intercept A	Tower Intercept B	Tower Intercept C	Tower Intercept D
ft	K	K	K	K	ft	ft	ft	ft
115	0.135	0.135	0.135		6.470	6.470	6.470	
175	0.117	0.117	0.117		4.4 sec/pulse	4.4 sec/pulse	4.4 sec/pulse	
242.211	0.226	0.226	0.226		8.062	8.062	8.062	
290.193	0.430	0.430	0.430		4.9 sec/pulse	4.9 sec/pulse	4.9 sec/pulse	
					10.633	10.633	10.633	
					5.6 sec/pulse	5.6 sec/pulse	5.6 sec/pulse	
					13.385	13.385	13.385	
					6.3 sec/pulse	6.3 sec/pulse	6.3 sec/pulse	

Guy Data (cont'd)

Guy Elevation	Calc K Single Angles	Calc K Solid Rounds	Torque Arm		Pull Off		Diagonal	
			K _x	K _y	K _x	K _y	K _x	K _y
55	No	No			0.8	0.8	1	1
115	No	No			0.8	0.8	1	1
175	No	No			0.8	0.8	1	1
242.211	No	No	1	1	0.8	0.8	1	1
290.193	No	No			0.8	0.8	1	1

Guy Data (cont'd)

Guy Elevation	Torque-Arm				Pull Off				Diagonal			
	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U	Bolt Size in	Number	Net Width Deduct in	U
55	0.625	0	0.000	0.75	0.625	0	0.000	1	0.625	0	0.000	1
	A325N				A325N				A325N			
115	0.625	0	0.000	0.75	0.625	0	0.000	1	0.625	0	0.000	1
	A325N				A325N				A325N			
175	0.000	0	0.000	0.75	0.625	0	0.000	1	0.625	0	0.000	1
	A325N				A325N				A325N			
242.211	0.000	0	0.000	0.75	0.625	0	0.000	1	0.625	0	0.000	1
	A325N				A325N				A325N			
290.193	0.625	0	0.000	0.75	0.625	0	0.000	1	0.625	0	0.000	1
	A325N				A325N				A325N			

Guy Pressures

Guy Elevation	Guy Location	z	q _w	q _i	Ice Thickness
ft		ft	ksf	Ice ksf	in
55	A	27.500	0.017	0.002	1.473
	B	27.500	0.017	0.002	1.473
	C	27.500	0.017	0.002	1.473
115	A	57.500	0.020	0.002	1.586
	B	57.500	0.020	0.002	1.586

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Guy Elevation ft	Guy Location	z ft	q _z ksf	q _z Ice ksf	Ice Thickness in
175	C	57.500	0.020	0.002	1.586
	A	87.500	0.022	0.002	1.654
	B	87.500	0.022	0.002	1.654
242.211	C	87.500	0.022	0.002	1.654
	A	121.105	0.023	0.003	1.708
	B	121.105	0.023	0.003	1.708
290.193	C	121.105	0.023	0.003	1.708
	A	145.096	0.024	0.003	1.739
	B	145.096	0.024	0.003	1.739
	C	145.096	0.024	0.003	1.739

Feed Line/Linear Appurtenances - Entered As Round Or Flat

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Face Offset in	Lateral Offset (Frac FW)	#	# Per Row	Clear Spacing in	Width or Diameter in	Perimeter in	Weight klf
1-5/8" (Carrier 1)	C	No	No	Ar (CaAa)	300.000 - 10.000	0.000	0	9	5	0.750	1.980		0.001
1.5" Hybrid (Carrier 1) **	C	No	No	Ar (CaAa)	300.000 - 10.000	0.000	-0.3	6	3	0.750	1.500		0.001
1-5/8" (Carrier 2)	B	No	No	Ar (CaAa)	282.000 - 10.000	0.000	0	9	5	0.750	1.980		0.001
1.5" Hybrid (Carrier 2) **	B	No	No	Ar (CaAa)	282.000 - 10.000	0.000	-0.3	6	3	0.750	1.500		0.001
1-5/8" (Carrier 3)	A	No	No	Ar (CaAa)	270.000 - 10.000	0.000	0	9	5	0.750	1.980		0.001
1.5" Hybrid (Carrier 3) **	A	No	No	Ar (CaAa)	270.000 - 10.000	0.000	-0.3	6	3	0.750	1.500		0.001
1-5/8" (Carrier 4) **	C	No	No	Ar (CaAa)	258.000 - 10.000	0.000	0.3	2	1	0.750	1.980		0.001
1-5/8" (Carrier 5) **	C	No	No	Ar (CaAa)	246.000 - 10.000	0.000	0.4	2	1	0.750	1.980		0.001
Safety Line 3/8	A	No	No	Ar (CaAa)	305.000 - 10.000	0.000	0.45	1	1	0.375	0.375		0.000
Strobe Cable	A	No	No	Ar (CaAa)	305.000 - 10.000	0.000	-0.45	1	1	1.250	1.250		0.001

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _A A ₁ In Face ft ²	C _A A ₁ Out Face ft ²	Weight K
T1	305.000-285.000	A	0.000	0.000	3.250	0.000	0.018
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	40.230	0.000	0.182
T2	285.000-265.000	A	0.000	0.000	16.660	0.000	0.079
		B	0.000	0.000	45.594	0.000	0.206
		C	0.000	0.000	53.640	0.000	0.242

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Tower Section	Tower Elevation ft	Face	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
T3	265.000-245.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	59.184	0.000	0.263
T4	245.000-225.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T5	225.000-205.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T6	205.000-185.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T7	185.000-165.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T8	165.000-145.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T9	145.000-125.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T10	125.000-105.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T11	105.000-85.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T12	85.000-65.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T13	65.000-45.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T14	45.000-25.000	A	0.000	0.000	56.890	0.000	0.261
		B	0.000	0.000	53.640	0.000	0.242
		C	0.000	0.000	69.480	0.000	0.300
T15	25.000-5.000	A	0.000	0.000	42.667	0.000	0.196
		B	0.000	0.000	40.230	0.000	0.182
		C	0.000	0.000	52.110	0.000	0.225
T16	5.000-0.000	A	0.000	0.000	0.000	0.000	0.000
		B	0.000	0.000	0.000	0.000	0.000
		C	0.000	0.000	0.000	0.000	0.000

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A_R ft ²	A_F ft ²	$C_A A_A$ In Face ft ²	$C_A A_A$ Out Face ft ²	Weight K
T1	305.000-285.000	A	1.867	0.000	0.000	18.189	0.000	0.263
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	58.003	0.000	1.074
T2	285.000-265.000	A	1.854	0.000	0.000	37.374	0.000	0.616
		B		0.000	0.000	65.584	0.000	1.211
		C		0.000	0.000	77.158	0.000	1.424
T3	265.000-245.000	A	1.840	0.000	0.000	94.939	0.000	1.673
		B		0.000	0.000	76.966	0.000	1.416
		C		0.000	0.000	94.679	0.000	1.677
T4	245.000-225.000	A	1.825	0.000	0.000	94.613	0.000	1.661

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #8600 - Dry Fork	Page	15 of 52
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	Client	Uniti	Designed by	JLandon

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _A A _A In Face ft ²	C _A A _A Out Face ft ²	Weight K
		B		0.000	0.000	76.761	0.000	1.408
		C		0.000	0.000	127.161	0.000	2.144
T5	225.000-205.000	A	1.809	0.000	0.000	94.262	0.000	1.649
		B		0.000	0.000	76.539	0.000	1.399
		C		0.000	0.000	126.714	0.000	2.126
T6	205.000-185.000	A	1.792	0.000	0.000	93.880	0.000	1.635
		B		0.000	0.000	76.298	0.000	1.389
		C		0.000	0.000	126.229	0.000	2.107
T7	185.000-165.000	A	1.772	0.000	0.000	93.462	0.000	1.620
		B		0.000	0.000	76.033	0.000	1.378
		C		0.000	0.000	125.697	0.000	2.085
T8	165.000-145.000	A	1.751	0.000	0.000	92.997	0.000	1.603
		B		0.000	0.000	75.740	0.000	1.366
		C		0.000	0.000	125.107	0.000	2.062
T9	145.000-125.000	A	1.727	0.000	0.000	92.476	0.000	1.585
		B		0.000	0.000	75.410	0.000	1.352
		C		0.000	0.000	124.445	0.000	2.035
T10	125.000-105.000	A	1.699	0.000	0.000	91.879	0.000	1.564
		B		0.000	0.000	75.033	0.000	1.337
		C		0.000	0.000	123.687	0.000	2.005
T11	105.000-85.000	A	1.667	0.000	0.000	91.181	0.000	1.539
		B		0.000	0.000	74.593	0.000	1.319
		C		0.000	0.000	122.801	0.000	1.971
T12	85.000-65.000	A	1.628	0.000	0.000	90.336	0.000	1.510
		B		0.000	0.000	74.059	0.000	1.297
		C		0.000	0.000	121.727	0.000	1.929
T13	65.000-45.000	A	1.579	0.000	0.000	89.257	0.000	1.473
		B		0.000	0.000	73.378	0.000	1.270
		C		0.000	0.000	120.358	0.000	1.876
T14	45.000-25.000	A	1.509	0.000	0.000	87.744	0.000	1.421
		B		0.000	0.000	72.423	0.000	1.232
		C		0.000	0.000	118.438	0.000	1.804
T15	25.000-5.000	A	1.386	0.000	0.000	63.815	0.000	1.000
		B		0.000	0.000	53.060	0.000	0.874
		C		0.000	0.000	86.301	0.000	1.260
T16	5.000-0.000	A	1.159	0.000	0.000	0.000	0.000	0.000
		B		0.000	0.000	0.000	0.000	0.000
		C		0.000	0.000	0.000	0.000	0.000

Feed Line Center of Pressure

Section	Elevation ft	CP _x in	CP _z in	CP _x Ice in	CP _z Ice in
T1	305.000-285.000	1.151	4.439	0.062	1.658
T2	285.000-265.000	2.228	-0.927	1.040	-0.478
T3	265.000-245.000	-0.274	-1.219	-0.794	-0.422
T4	245.000-225.000	-0.832	-0.251	-1.410	0.591
T5	225.000-205.000	-0.870	-0.261	-1.526	0.637
T6	205.000-185.000	-0.886	-0.265	-1.558	0.649
T7	185.000-165.000	-0.861	-0.260	-1.492	0.624
T8	165.000-145.000	-0.886	-0.265	-1.562	0.651
T9	145.000-125.000	-0.881	-0.264	-1.553	0.647
T10	125.000-105.000	-0.858	-0.259	-1.490	0.623
T11	105.000-85.000	-0.881	-0.264	-1.557	0.649
T12	85.000-65.000	-0.886	-0.265	-1.568	0.653
T13	65.000-45.000	-0.852	-0.257	-1.492	0.624

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Section	Elevation	CP _x	CP _z	CP _x	CP _z
	ft	in	in	Ice in	Ice in
T14	45.000-25.000	-0.874	-0.262	-1.551	0.646
T15	25.000-5.000	-0.819	-0.246	-1.395	0.584
T16	5.000-0.000	0.000	0.000	0.000	0.000

Shielding Factor Ka

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T1	1	1-5/8"	285.00 - 300.00	0.6000	0.4092
T1	2	1.5" Hybrid	285.00 - 300.00	0.6000	0.4092
T1	14	Safety Line 3/8	285.00 - 305.00	0.6000	0.4092
T1	15	Strobe Cable	285.00 - 305.00	0.6000	0.4092
T2	1	1-5/8"	265.00 - 285.00	0.6000	0.4389
T2	2	1.5" Hybrid	265.00 - 285.00	0.6000	0.4389
T2	4	1-5/8"	265.00 - 282.00	0.6000	0.4389
T2	5	1.5" Hybrid	265.00 - 282.00	0.6000	0.4389
T2	7	1-5/8"	265.00 - 270.00	0.6000	0.4389
T2	8	1.5" Hybrid	265.00 - 270.00	0.6000	0.4389
T2	14	Safety Line 3/8	265.00 - 285.00	0.6000	0.4389
T2	15	Strobe Cable	265.00 - 285.00	0.6000	0.4389
T3	1	1-5/8"	245.00 - 265.00	0.6000	0.4245
T3	2	1.5" Hybrid	245.00 - 265.00	0.6000	0.4245
T3	4	1-5/8"	245.00 - 265.00	0.6000	0.4245
T3	5	1.5" Hybrid	245.00 - 265.00	0.6000	0.4245
T3	7	1-5/8"	245.00 - 265.00	0.6000	0.4245
T3	8	1.5" Hybrid	245.00 - 265.00	0.6000	0.4245
T3	10	1-5/8"	245.00 - 258.00	0.6000	0.4245
T3	12	1-5/8"	245.00 - 246.00	0.6000	0.4245
T3	14	Safety Line 3/8	245.00 - 265.00	0.6000	0.4245
T3	15	Strobe Cable	245.00 - 265.00	0.6000	0.4245
T4	1	1-5/8"	225.00 - 245.00	0.6000	0.3954
T4	2	1.5" Hybrid	225.00 -	0.6000	0.3954

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T4	4	1-5/8"	245.00 - 225.00	0.6000	0.3954
T4	5	1.5" Hybrid	245.00 - 225.00	0.6000	0.3954
T4	7	1-5/8"	245.00 - 225.00	0.6000	0.3954
T4	8	1.5" Hybrid	245.00 - 225.00	0.6000	0.3954
T4	10	1-5/8"	245.00 - 225.00	0.6000	0.3954
T4	12	1-5/8"	245.00 - 225.00	0.6000	0.3954
T4	14	Safety Line 3/8	245.00 - 225.00	0.6000	0.3954
T4	15	Strobe Cable	245.00 - 225.00	0.6000	0.3954
T5	1	1-5/8"	225.00 - 205.00	0.6000	0.4394
T5	2	1.5" Hybrid	225.00 - 205.00	0.6000	0.4394
T5	4	1-5/8"	225.00 - 205.00	0.6000	0.4394
T5	5	1.5" Hybrid	225.00 - 205.00	0.6000	0.4394
T5	7	1-5/8"	225.00 - 205.00	0.6000	0.4394
T5	8	1.5" Hybrid	225.00 - 205.00	0.6000	0.4394
T5	10	1-5/8"	225.00 - 205.00	0.6000	0.4394
T5	12	1-5/8"	225.00 - 205.00	0.6000	0.4394
T5	14	Safety Line 3/8	225.00 - 205.00	0.6000	0.4394
T5	15	Strobe Cable	225.00 - 205.00	0.6000	0.4394
T6	1	1-5/8"	205.00 - 185.00	0.6000	0.4539
T6	2	1.5" Hybrid	205.00 - 185.00	0.6000	0.4539
T6	4	1-5/8"	205.00 - 185.00	0.6000	0.4539
T6	5	1.5" Hybrid	205.00 - 185.00	0.6000	0.4539
T6	7	1-5/8"	205.00 - 185.00	0.6000	0.4539
T6	8	1.5" Hybrid	205.00 - 185.00	0.6000	0.4539
T6	10	1-5/8"	205.00 - 185.00	0.6000	0.4539
T6	12	1-5/8"	205.00 - 185.00	0.6000	0.4539
T6	14	Safety Line 3/8	205.00 - 185.00	0.6000	0.4539
T6	15	Strobe Cable	205.00 - 185.00	0.6000	0.4539
T7	1	1-5/8"	185.00 - 165.00	0.6000	0.4318
T7	2	1.5" Hybrid	185.00 - 165.00	0.6000	0.4318
T7	4	1-5/8"	185.00 - 165.00	0.6000	0.4318

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T7	5	1.5" Hybrid	185.00 - 165.00	0.6000	0.4318
T7	7	1-5/8"	185.00 - 165.00	0.6000	0.4318
T7	8	1.5" Hybrid	185.00 - 165.00	0.6000	0.4318
T7	10	1-5/8"	185.00 - 165.00	0.6000	0.4318
T7	12	1-5/8"	185.00 - 165.00	0.6000	0.4318
T7	14	Safety Line 3/8	185.00 - 165.00	0.6000	0.4318
T7	15	Strobe Cable	185.00 - 165.00	0.6000	0.4318
T8	1	1-5/8"	145.00 - 165.00	0.6000	0.4622
T8	2	1.5" Hybrid	145.00 - 165.00	0.6000	0.4622
T8	4	1-5/8"	145.00 - 165.00	0.6000	0.4622
T8	5	1.5" Hybrid	145.00 - 165.00	0.6000	0.4622
T8	7	1-5/8"	145.00 - 165.00	0.6000	0.4622
T8	8	1.5" Hybrid	145.00 - 165.00	0.6000	0.4622
T8	10	1-5/8"	145.00 - 165.00	0.6000	0.4622
T8	12	1-5/8"	145.00 - 165.00	0.6000	0.4622
T8	14	Safety Line 3/8	145.00 - 165.00	0.6000	0.4622
T8	15	Strobe Cable	145.00 - 165.00	0.6000	0.4622
T9	1	1-5/8"	125.00 - 145.00	0.6000	0.4627
T9	2	1.5" Hybrid	125.00 - 145.00	0.6000	0.4627
T9	4	1-5/8"	125.00 - 145.00	0.6000	0.4627
T9	5	1.5" Hybrid	125.00 - 145.00	0.6000	0.4627
T9	7	1-5/8"	125.00 - 145.00	0.6000	0.4627
T9	8	1.5" Hybrid	125.00 - 145.00	0.6000	0.4627
T9	10	1-5/8"	125.00 - 145.00	0.6000	0.4627
T9	12	1-5/8"	125.00 - 145.00	0.6000	0.4627
T9	14	Safety Line 3/8	125.00 - 145.00	0.6000	0.4627
T9	15	Strobe Cable	125.00 - 145.00	0.6000	0.4627
T10	1	1-5/8"	105.00 - 125.00	0.6000	0.4426
T10	2	1.5" Hybrid	105.00 - 125.00	0.6000	0.4426
T10	4	1-5/8"	105.00 - 125.00	0.6000	0.4426
T10	5	1.5" Hybrid	105.00 - 125.00	0.6000	0.4426

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Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T10	7	1-5/8"	125.00 - 105.00	0.6000	0.4426
T10	8	1.5" Hybrid	125.00 - 105.00	0.6000	0.4426
T10	10	1-5/8"	125.00 - 105.00	0.6000	0.4426
T10	12	1-5/8"	125.00 - 105.00	0.6000	0.4426
T10	14	Safety Line 3/8	125.00 - 105.00	0.6000	0.4426
T10	15	Strobe Cable	125.00 - 105.00	0.6000	0.4426
T11	1	1-5/8"	85.00 - 105.00	0.6000	0.4749
T11	2	1.5" Hybrid	85.00 - 105.00	0.6000	0.4749
T11	4	1-5/8"	85.00 - 105.00	0.6000	0.4749
T11	5	1.5" Hybrid	85.00 - 105.00	0.6000	0.4749
T11	7	1-5/8"	85.00 - 105.00	0.6000	0.4749
T11	8	1.5" Hybrid	85.00 - 105.00	0.6000	0.4749
T11	10	1-5/8"	85.00 - 105.00	0.6000	0.4749
T11	12	1-5/8"	85.00 - 105.00	0.6000	0.4749
T11	14	Safety Line 3/8	85.00 - 105.00	0.6000	0.4749
T11	15	Strobe Cable	85.00 - 105.00	0.6000	0.4749
T12	1	1-5/8"	65.00 - 85.00	0.6000	0.4874
T12	2	1.5" Hybrid	65.00 - 85.00	0.6000	0.4874
T12	4	1-5/8"	65.00 - 85.00	0.6000	0.4874
T12	5	1.5" Hybrid	65.00 - 85.00	0.6000	0.4874
T12	7	1-5/8"	65.00 - 85.00	0.6000	0.4874
T12	8	1.5" Hybrid	65.00 - 85.00	0.6000	0.4874
T12	10	1-5/8"	65.00 - 85.00	0.6000	0.4874
T12	12	1-5/8"	65.00 - 85.00	0.6000	0.4874
T12	14	Safety Line 3/8	65.00 - 85.00	0.6000	0.4874
T12	15	Strobe Cable	65.00 - 85.00	0.6000	0.4874
T13	1	1-5/8"	45.00 - 65.00	0.6000	0.4658
T13	2	1.5" Hybrid	45.00 - 65.00	0.6000	0.4658
T13	4	1-5/8"	45.00 - 65.00	0.6000	0.4658
T13	5	1.5" Hybrid	45.00 - 65.00	0.6000	0.4658
T13	7	1-5/8"	45.00 - 65.00	0.6000	0.4658
T13	8	1.5" Hybrid	45.00 - 65.00	0.6000	0.4658
T13	10	1-5/8"	45.00 - 65.00	0.6000	0.4658
T13	12	1-5/8"	45.00 - 65.00	0.6000	0.4658
T13	14	Safety Line 3/8	45.00 - 65.00	0.6000	0.4658
T13	15	Strobe Cable	45.00 - 65.00	0.6000	0.4658
T14	1	1-5/8"	25.00 - 45.00	0.6000	0.5048
T14	2	1.5" Hybrid	25.00 - 45.00	0.6000	0.5048
T14	4	1-5/8"	25.00 - 45.00	0.6000	0.5048
T14	5	1.5" Hybrid	25.00 - 45.00	0.6000	0.5048
T14	7	1-5/8"	25.00 - 45.00	0.6000	0.5048
T14	8	1.5" Hybrid	25.00 - 45.00	0.6000	0.5048
T14	10	1-5/8"	25.00 - 45.00	0.6000	0.5048
T14	12	1-5/8"	25.00 - 45.00	0.6000	0.5048
T14	14	Safety Line 3/8	25.00 - 45.00	0.6000	0.5048
T14	15	Strobe Cable	25.00 - 45.00	0.6000	0.5048
T15	1	1-5/8"	10.00 - 25.00	0.6000	0.5258
T15	2	1.5" Hybrid	10.00 - 25.00	0.6000	0.5258
T15	4	1-5/8"	10.00 - 25.00	0.6000	0.5258
T15	5	1.5" Hybrid	10.00 - 25.00	0.6000	0.5258
T15	7	1-5/8"	10.00 - 25.00	0.6000	0.5258
T15	8	1.5" Hybrid	10.00 - 25.00	0.6000	0.5258
T15	10	1-5/8"	10.00 - 25.00	0.6000	0.5258
T15	12	1-5/8"	10.00 - 25.00	0.6000	0.5258
T15	14	Safety Line 3/8	10.00 - 25.00	0.6000	0.5258

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	Client Uniti	Designed by JLandon

Tower Section	Feed Line Record No.	Description	Feed Line Segment Elev.	K _a No Ice	K _a Ice
T15	15	Strobe Cable	10.00 - 25.00	0.6000	0.5258

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _a A _a Front ft ²	C _a A _a Side ft ²	Weight K	
Lightning Rod 1"x10'	C	From Leg	0.000	0.000	305.000	No Ice	1.000	1.000	0.040
			0.000			1/2" Ice	2.017	2.017	0.049
			5.000			1" Ice	3.050	3.050	0.065
Top Beacon	B	From Leg	0.000	0.000	305.000	No Ice	2.700	2.700	0.050
			0.000			1/2" Ice	3.100	3.100	0.070
			1.000			1" Ice	3.500	3.500	0.090
**									
Sector1(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	A	From Leg	4.000	0.000	300.000	No Ice	92.600	62.040	0.700
			0.000			1/2" Ice	115.750	77.550	1.400
			0.000			1" Ice	138.900	93.060	2.100
Sector2(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	B	From Leg	4.000	0.000	300.000	No Ice	92.600	62.040	0.700
			0.000			1/2" Ice	115.750	77.550	1.400
			0.000			1" Ice	138.900	93.060	2.100
Sector3(CaAa=13333.33 Sq.in)No Ice (Carrier 1)	C	From Leg	4.000	0.000	300.000	No Ice	92.600	62.040	0.700
			0.000			1/2" Ice	115.750	77.550	1.400
			0.000			1" Ice	138.900	93.060	2.100
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 2)	A	From Leg	4.000	0.000	282.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 2)	B	From Leg	4.000	0.000	282.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 2)	C	From Leg	4.000	0.000	282.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
**									
Sector1(CaAa=10000 Sq.in)No Ice (Carrier 3)	A	From Leg	4.000	0.000	270.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
Sector2(CaAa=10000 Sq.in)No Ice (Carrier 3)	B	From Leg	4.000	0.000	270.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
Sector3(CaAa=10000 Sq.in)No Ice (Carrier 3)	C	From Leg	4.000	0.000	270.000	No Ice	69.440	46.525	0.700
			0.000			1/2" Ice	86.800	58.156	1.400
			0.000			1" Ice	104.160	69.787	2.100
**									
Pipe Mount (Carrier 4)	C	From Leg	0.500	0.000	258.000	No Ice	1.650	1.650	0.057
			0.000			1/2" Ice	2.207	2.207	0.074
			0.000			1" Ice	2.543	2.543	0.094
Pipe Mount (Carrier 4)	B	From Leg	0.500	0.000	258.000	No Ice	1.650	1.650	0.057
			0.000			1/2" Ice	2.207	2.207	0.074
			0.000			1" Ice	2.543	2.543	0.094
**									

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Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	Placement	C _A A ₁ Front	C _A A ₂ Side	Weight
			ft ft ft	°	ft	ft ²	ft ²	K
Pipe Mount (Carrier 5)	C	From Leg	0.500 0.000 0.000	0.000	246.000	No Ice 1.650 1/2" Ice 2.207 1" Ice 2.543	1.650 2.207 2.543	0.057 0.074 0.094
Pipe Mount (Carrier 5)	B	From Leg	0.500 0.000 0.000	0.000	246.000	No Ice 1.650 1/2" Ice 2.207 1" Ice 2.543	1.650 2.207 2.543	0.057 0.074 0.094
**								

Dishes

Description	Face or Leg	Dish Type	Offset Type	Offsets: Horz Lateral Vert	Azimuth Adjustment	3 dB Beam Width	Elevation	Outside Diameter	Aperture Area	Weight
				ft ft ft	°	°	ft	ft	ft ²	K
6' MW Dish (Carrier 4)	C	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		258.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.830	0.140 0.290 0.440
6' MW Dish (Carrier 4)	B	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		258.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.830	0.140 0.290 0.440
**										
6' MW Dish (Carrier 5)	C	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		246.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.830	0.140 0.290 0.440
6' MW Dish (Carrier 5)	B	Paraboloid w/o Radome	From Leg	1.000 0.000 0.000	0.000		246.000	6.000	No Ice 28.270 1/2" Ice 29.050 1" Ice 29.830	0.140 0.290 0.440
**										

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy
3	1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy
4	1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy
5	1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy
6	1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy
7	1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy
8	1.2 Dead+1.6 Wind 180 deg - No Ice+1.0 Guy
9	1.2 Dead+1.6 Wind 210 deg - No Ice+1.0 Guy
10	1.2 Dead+1.6 Wind 240 deg - No Ice+1.0 Guy
11	1.2 Dead+1.6 Wind 270 deg - No Ice+1.0 Guy
12	1.2 Dead+1.6 Wind 300 deg - No Ice+1.0 Guy
13	1.2 Dead+1.6 Wind 330 deg - No Ice+1.0 Guy
14	1.2 Dead+1.0 Ice+1.0 Temp+Guy

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Comb. No.	Description
15	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp+1.0 Guy
16	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp+1.0 Guy
17	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp+1.0 Guy
18	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp+1.0 Guy
19	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp+1.0 Guy
20	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp+1.0 Guy
21	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp+1.0 Guy
22	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp+1.0 Guy
23	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp+1.0 Guy
24	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp+1.0 Guy
25	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp+1.0 Guy
26	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp+1.0 Guy
27	Dead+Wind 0 deg - Service+Guy
28	Dead+Wind 30 deg - Service+Guy
29	Dead+Wind 60 deg - Service+Guy
30	Dead+Wind 90 deg - Service+Guy
31	Dead+Wind 120 deg - Service+Guy
32	Dead+Wind 150 deg - Service+Guy
33	Dead+Wind 180 deg - Service+Guy
34	Dead+Wind 210 deg - Service+Guy
35	Dead+Wind 240 deg - Service+Guy
36	Dead+Wind 270 deg - Service+Guy
37	Dead+Wind 300 deg - Service+Guy
38	Dead+Wind 330 deg - Service+Guy

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T1	305 - 285	Leg	Max Tension	8	26.073	-0.017	0.021
			Max. Compression	2	-29.478	0.039	-0.276
			Max. Mx	11	-14.892	1.132	0.066
			Max. My	2	-15.678	-0.056	1.100
			Max. Vy	11	2.925	1.132	0.066
			Max. Vx	2	2.799	-0.056	1.100
		Diagonal	Max Tension	5	7.712	0.000	0.000
			Max. Compression	11	-7.834	0.000	0.000
			Max. Mx	20	0.917	0.014	0.000
			Max. My	13	3.567	0.000	0.000
			Max. Vy	20	-0.015	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	8	2.732	0.000	0.000
			Max. Compression	2	-2.733	0.000	0.000
			Max. Mx	15	0.244	0.009	0.000
			Max. My	13	0.434	0.000	-0.000
			Max. Vy	15	-0.012	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	9	0.095	0.000	0.000
			Max. Compression	3	-0.093	0.000	0.000
			Max. Mx	15	0.008	0.009	0.000
			Max. My	13	-0.053	0.000	-0.000
			Max. Vy	15	-0.012	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
Bottom Girt	Max Tension	12	3.539	0.000	0.000		
	Max. Compression	10	-3.265	0.000	0.000		
	Max. Mx	15	0.209	0.009	0.000		
	Max. My	13	-2.121	0.000	-0.000		
	Max. Vy	15	-0.012	0.000	0.000		

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft			
T2	285 - 265	Guy A	Max. Vx	13	0.000	0.000	0.000			
			Bottom Tension	9	32.326					
			Top Tension	9	32.654					
			Top Cable Vert	9	25.542					
			Top Cable Norm	9	20.344					
			Top Cable Tan	9	0.037					
			Bot Cable Vert	9	-24.786					
			Bot Cable Norm	9	20.747					
			Bot Cable Tan	9	0.421					
			Guy B	Bottom Tension	13	32.442				
				Top Tension	13	32.770				
				Top Cable Vert	13	25.632				
				Top Cable Norm	13	20.418				
				Top Cable Tan	13	0.028				
				Bot Cable Vert	13	-24.876				
		Bot Cable Norm		13	20.822					
		Bot Cable Tan		13	0.413					
		Guy C		Bottom Tension	3	32.719				
			Top Tension	3	33.047					
			Top Cable Vert	3	25.845					
			Top Cable Norm	3	20.595					
			Top Cable Tan	3	0.034					
			Bot Cable Vert	3	-25.089					
			Bot Cable Norm	3	20.998					
			Bot Cable Tan	3	0.418					
			Top Guy Pull-Off	Max Tension	3	10.580		0.000	0.000	
		Max Compression		1	0.000		0.000	0.000		
		Max. Mx		15	3.761		0.027	0.000		
		Max. My		13	8.815		0.000	-0.000		
		Max. Vy		15	-0.036		0.000	0.000		
		Max. Vx		13	0.000		0.000	0.000		
		Leg		Max Tension	1	0.000		0.000	0.000	
				Max Compression	5	-29.691		-0.190	-0.059	
				Max. Mx	5	-16.049		1.153	-0.129	
				Max. My	2	-18.047		-0.088	-1.086	
				Max. Vy	11	2.923		0.005	-0.032	
				Max. Vx	2	2.800		0.016	0.021	
				Diagonal	Max Tension	11	7.694		0.000	0.000
					Max Compression	5	-7.819		0.000	0.000
					Max. Mx	20	0.742		0.014	0.000
			Max. My		13	1.440		0.000	0.000	
			Max. Vy		20	-0.015		0.000	0.000	
			Max. Vx		13	-0.000		0.000	0.000	
			Horizontal		Max Tension	4	2.976		0.000	0.000
					Max Compression	10	-2.838		0.000	0.000
Max. Mx	15				0.403		0.009	0.000		
Max. My	13	0.688			0.000	-0.000				
Max. Vy	15	-0.012			0.000	0.000				
Max. Vx	13	0.000			0.000	0.000				
Top Girt	Max Tension	10		3.324		0.000	0.000			
	Max Compression	12		-3.489		0.000	0.000			
	Max. Mx	15		-0.154		0.009	0.000			
	Max. My	13	2.168		0.000	-0.000				
	Max. Vy	15	-0.012		0.000	0.000				
	Max. Vx	13	0.000		0.000	0.000				
	Bottom Girt	Max Tension	2	2.352		0.000	0.000			
		Max Compression	8	-2.222		0.000	0.000			
		Max. Mx	21	0.193		0.009	0.000			
Max. My		13	2.315		0.000	-0.000				
Max. Vy		21	-0.012		0.000	0.000				
Max. Vx		13	0.000		0.000	0.000				

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft		
T3	265 - 245	Leg	Max Tension	8	50.027	0.261	1.290		
			Max. Compression	2	-89.373	-0.035	0.567		
			Max. Mx	5	-68.644	1.835	-0.348		
			Max. My	2	-82.613	-0.521	-1.554		
			Max. Vy	5	6.305	-0.595	-0.023		
			Max. Vx	2	-5.505	-0.035	0.567		
		Diagonal	Max Tension	11	12.431	0.000	0.000		
			Max. Compression	5	-12.787	0.000	0.000		
			Max. Mx	20	0.508	0.016	0.000		
			Max. My	13	1.383	0.000	0.000		
			Max. Vy	20	-0.016	0.000	0.000		
			Max. Vx	13	-0.000	0.000	0.000		
		Horizontal	Max Tension	4	2.026	0.000	0.000		
			Max. Compression	10	-1.503	0.000	0.000		
			Max. Mx	21	0.561	0.009	0.000		
			Max. My	13	1.285	0.000	-0.000		
			Max. Vy	21	-0.011	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		Top Girt	Max Tension	8	2.732	0.000	0.000		
			Max. Compression	2	-2.717	0.000	0.000		
			Max. Mx	21	-0.111	0.009	0.000		
			Max. My	13	-2.630	0.000	-0.000		
			Max. Vy	21	-0.011	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		Bottom Girt	Max Tension	2	4.253	0.000	0.000		
			Max. Compression	12	-3.715	0.000	0.000		
			Max. Mx	21	0.299	0.009	0.000		
			Max. My	13	2.973	0.000	-0.000		
			Max. Vy	21	-0.011	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		T4	245 - 225	Leg	Max Tension	8	56.786	-0.438	-2.168
					Max. Compression	2	-101.694	-0.324	0.181
					Max. Mx	5	-86.426	-3.003	0.306
Max. My	2				-97.215	0.457	2.662		
Max. Vy	5				6.246	-3.003	0.306		
Max. Vx	2				-5.437	0.456	2.662		
Diagonal	Max Tension			5	15.532	0.000	0.000		
	Max. Compression			11	-15.875	0.000	0.000		
	Max. Mx			22	1.179	0.015	0.000		
	Max. My			12	-2.060	0.000	0.000		
	Max. Vy			22	-0.016	0.000	0.000		
	Max. Vx			12	-0.000	0.000	0.000		
Horizontal	Max Tension			13	2.415	0.000	0.000		
	Max. Compression			3	-2.343	0.000	0.000		
	Max. Mx			21	0.798	0.008	0.000		
	Max. My			13	1.561	0.000	-0.000		
	Max. Vy			21	-0.011	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Top Girt	Max Tension			12	5.064	0.000	0.000		
	Max. Compression			2	-4.958	0.000	0.000		
	Max. Mx			21	-0.109	0.008	0.000		
	Max. My			13	-3.035	0.000	-0.000		
	Max. Vy			21	-0.011	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Bottom Girt	Max Tension			13	2.088	0.000	0.000		
	Max. Compression			7	-1.963	0.000	0.000		
	Max. Mx			21	0.086	0.008	0.000		
	Max. My			13	-0.633	0.000	-0.000		
	Max. Vy			21	-0.011	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Guy A	Bottom Tension			7	18.685				

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Top Tension	7	18 844		
			Top Cable Vert	7	13.648		
			Top Cable Norm	7	12 994		
			Top Cable Tan	7	0.016		
			Bot Cable Vert	7	-13.216		
			Bot Cable Norm	7	13.207		
			Bot Cable Tan	7	0.229		
		Guy B	Bottom Tension	13	19.554		
			Top Tension	13	19.713		
			Top Cable Vert	13	14.267		
			Top Cable Norm	13	13.603		
			Top Cable Tan	13	0.015		
			Bot Cable Vert	13	-13.835		
			Bot Cable Norm	13	13.816		
			Bot Cable Tan	13	0.230		
		Guy C	Bottom Tension	3	19.425		
			Top Tension	3	19.584		
			Top Cable Vert	3	14.175		
			Top Cable Norm	3	13.513		
			Top Cable Tan	3	0.014		
			Bot Cable Vert	3	-13.743		
			Bot Cable Norm	3	13.726		
			Bot Cable Tan	3	0.231		
		Top Guy Pull-Off	Max Tension	13	13.667	0.000	0.000
			Max. Compression	3	-13.258	0.000	0.000
			Max. Mx	21	1.430	0.026	0.000
			Max. My	13	-6.002	0.000	-0.000
			Max. Vy	21	-0.035	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Torque Arm Top	Max Tension	11	15.056	0.000	0.000
			Max. Compression	11	-7.121	0.000	0.000
			Max. Mx	5	-0.160	-42.868	-0.000
			Max. My	13	-3.142	-21.766	-0.000
			Max. Vy	5	14.327	-42.868	-0.000
			Max. Vx	13	-0.000	-21.766	-0.000
T5	225 - 205	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	2	-72.122	-0.219	-0.414
			Max. Mx	6	-67.094	0.618	-0.104
			Max. My	7	-28.183	0.248	0.655
			Max. Vy	6	-1.858	-0.098	-0.195
			Max. Vx	7	-2.000	0.018	-0.114
		Diagonal	Max Tension	12	4.166	0.000	0.000
			Max. Compression	6	-4.740	0.000	0.000
			Max. Mx	22	-0.754	0.012	0.000
			Max. My	13	-2.248	0.000	0.000
			Max. Vy	22	-0.013	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	2	1.219	0.000	0.000
			Max. Compression	2	-1.219	0.000	0.000
			Max. Mx	23	0.764	0.008	0.000
			Max. My	13	1.052	0.000	-0.000
			Max. Vy	23	0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	7	1.943	0.000	0.000
			Max. Compression	13	-1.623	0.000	0.000
			Max. Mx	21	0.205	0.008	0.000
			Max. My	13	0.716	0.000	-0.000
			Max. Vy	21	-0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Bottom Girt	Max Tension	13	1.069	0.000	0.000
			Max. Compression	7	-1.034	0.000	0.000

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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T6	205 - 185	Leg	Max. Mx	19	0.130	0.008	0.000
			Max. My	13	0.060	0.000	-0.000
			Max. Vy	19	0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	2	-56.397	-0.134	0.017
			Max. Mx	5	-42.007	0.405	-0.207
			Max. My	9	-44.869	-0.028	0.358
			Max. Vy	5	0.939	0.044	-0.103
			Max. Vx	7	-0.931	0.020	-0.007
		Diagonal	Max Tension	7	2.272	0.000	0.000
			Max. Compression	13	-2.586	0.000	0.000
			Max. Mx	22	-0.387	0.011	0.000
			Max. My	13	0.104	0.000	0.000
			Max. Vy	22	-0.011	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	2	0.955	0.000	0.000
			Max. Compression	2	-0.955	0.000	0.000
			Max. Mx	14	0.828	0.008	0.000
			Max. My	13	0.764	0.000	-0.000
		Horizontal	Max. Vy	14	-0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	7	0.994	0.000	0.000
			Max. Compression	13	-0.682	0.000	0.000
			Max. Mx	19	0.100	0.008	0.000
			Max. My	13	0.034	0.000	-0.000
			Max. Vy	19	-0.011	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	2	0.871	0.000	0.000
			Max. Compression	7	-0.794	0.000	0.000
		Top Girt	Max. Mx	18	0.204	0.008	0.000
			Max. My	13	0.858	0.000	-0.000
Max. Vy	18		-0.011	0.000	0.000		
Max. Vx	13		0.000	0.000	0.000		
Max Tension	1		0.000	0.000	0.000		
Max. Compression	2		-63.716	0.212	-0.009		
Max. Mx	5		-37.439	-0.530	-0.090		
Max. My	2		-37.461	0.025	0.614		
Max. Vy	6		-1.180	-0.399	-0.238		
Max. Vx	2		1.272	0.025	0.614		
Diagonal	Max Tension	3	3.005	0.000	0.000		
	Max. Compression	6	-3.671	0.000	0.000		
	Max. Mx	19	0.044	0.010	0.000		
	Max. My	13	-2.397	0.000	0.000		
	Max. Vy	19	0.011	0.000	0.000		
	Max. Vx	13	-0.000	0.000	0.000		
	Max Tension	2	1.104	0.000	0.000		
	Max. Compression	2	-1.104	0.000	0.000		
	Max. Mx	21	0.956	0.008	0.000		
	Max. My	13	0.878	0.000	-0.000		
Horizontal	Max. Vy	21	-0.011	0.000	0.000		
	Max. Vx	13	0.000	0.000	0.000		
	Max Tension	7	1.040	0.000	0.000		
	Max. Compression	2	-0.812	0.000	0.000		
	Max. Mx	17	-0.036	0.008	0.000		
	Max. My	13	-0.784	0.000	-0.000		
	Max. Vy	17	-0.011	0.000	0.000		
	Max. Vx	13	0.000	0.000	0.000		
	Max Tension	13	1.358	0.000	0.000		
	Max. Compression	6	-1.333	0.000	0.000		
Bottom Girt	Max. Mx	25	0.070	0.008	0.000		

tnxTower B+T Group 1717 S. Boulder Ave., Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job	ATS #8600 - Dry Fork	Page	27 of 52
	Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
	Client	Uniti	Designed by	JLandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
18	165 - 145	Guy A	Max. My	13	-0.635	0.000	-0.000	
			Max. Vy	25	-0.011	0.000	0.000	
			Max. Vx	13	0.000	0.000	0.000	
			Bottom Tension	7	10.767			
			Top Tension	7	10.836			
			Top Cable Vert	7	6.552			
			Top Cable Norm	7	8.630			
			Top Cable Tan	7	0.019			
			Bot Cable Vert	7	-6.323			
			Bot Cable Norm	7	8.715			
			Bot Cable Tan	7	0.117			
			Guy B	Bottom Tension	11	11.365		
		Top Tension		11	11.433			
		Top Cable Vert		11	6.906			
		Top Cable Norm		11	9.111			
		Top Cable Tan		11	0.011			
		Bot Cable Vert		11	-6.677			
		Bot Cable Norm		11	9.196			
		Bot Cable Tan		11	0.125			
		Guy C		Bottom Tension	5	11.360		
				Top Tension	5	11.429		
				Top Cable Vert	5	6.904		
				Top Cable Norm	5	9.108		
			Top Cable Tan	5	0.011			
			Bot Cable Vert	5	-6.675			
			Bot Cable Norm	5	9.192			
			Bot Cable Tan	5	0.124			
			Top Guy Pull-Off	Max Tension	7	4.641	0.000	0.000
				Max. Compression	1	0.000	0.000	0.000
			Leg	Max. Mx	14	2.434	0.026	0.000
				Max. My	13	3.981	0.000	-0.000
		Max. Vy		14	-0.034	0.000	0.000	
		Max. Vx		13	0.000	0.000	0.000	
		Max Tension		1	0.000	0.000	0.000	
		Max. Compression		23	-57.517	0.092	0.159	
		Diagonal		Max. Mx	6	-47.971	0.504	0.005
				Max. My	7	-35.387	0.284	0.514
				Max. Vy	6	-1.165	0.055	-0.121
				Max. Vx	2	1.288	0.055	0.124
				Max Tension	3	2.545	0.000	0.000
				Max. Compression	6	-3.065	0.000	0.000
			Horizontal	Max. Mx	19	-0.141	0.010	0.000
Max. My	13			-0.171	0.000	0.000		
Max. Vy	19			0.011	0.000	0.000		
Max. Vx	13			-0.000	0.000	0.000		
Max Tension	23			0.991	0.000	0.000		
Max. Compression	23			-0.991	0.000	0.000		
Top Girt	Max. Mx	25		0.984	0.008	0.000		
	Max. My	13		0.750	0.000	-0.000		
	Max. Vy	25		0.011	0.000	0.000		
	Max. Vx	13		0.000	0.000	0.000		
	Max Tension	6		1.358	0.000	0.000		
	Max. Compression	13		-1.038	0.000	0.000		
	Bottom Girt	Max. Mx	25	0.132	0.008	0.000		
		Max. My	13	0.714	0.000	-0.000		
		Max. Vy	25	0.011	0.000	0.000		
		Max. Vx	13	0.000	0.000	0.000		
		Max Tension	4	0.378	0.000	0.000		
		Max. Compression	12	-0.187	0.000	0.000		
		Max. Mx	25	0.124	0.008	0.000		
		Max. My	13	0.206	0.000	-0.000		

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Client	Uniti	Designed by	JLandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft	
T9	145 - 125	Leg	Max. Vy	16	-0.011	0.000	0.000	
			Max. Vx	13	0.000	0.000	0.000	
			Max Tension	1	0.000	0.000	0.000	
			Max. Compression	15	-60.747	-0.196	0.001	
			Max. Mx	5	-46.762	0.644	-0.174	
			Max. My	8	-35.236	0.004	0.612	
			Max. Vy	5	1.542	0.049	-0.116	
			Max. Vx	8	1.389	0.060	0.077	
			Diagonal	Max Tension	12	3.443	0.000	0.000
				Max. Compression	5	-3.943	0.000	0.000
				Max. Mx	19	-0.354	0.011	0.000
				Max. My	13	1.972	0.000	0.000
				Max. Vy	19	-0.012	0.000	0.000
				Max. Vx	13	-0.000	0.000	0.000
			Horizontal	Max Tension	15	1.042	0.000	0.000
		Max. Compression		15	-1.042	0.000	0.000	
		Max. Mx		17	1.035	0.008	0.000	
		Max. My		13	0.748	0.000	-0.000	
		Max. Vy		17	-0.011	0.000	0.000	
		Max. Vx		13	0.000	0.000	0.000	
		Top Girt	Max Tension	12	0.509	0.000	0.000	
			Max. Compression	4	-0.309	0.000	0.000	
			Max. Mx	25	0.082	0.008	0.000	
			Max. My	13	-0.133	0.000	-0.000	
			Max. Vy	16	-0.011	0.000	0.000	
			Max. Vx	13	0.000	0.000	0.000	
		Bottom Girt	Max Tension	6	1.432	0.000	0.000	
			Max. Compression	12	-1.470	0.000	0.000	
			Max. Mx	17	0.017	0.008	0.000	
			Max. My	13	1.056	0.000	-0.000	
			Max. Vy	17	-0.011	0.000	0.000	
			Max. Vx	13	0.000	0.000	0.000	
			T10	125 - 105	Leg	Max Tension	1	0.000
Max. Compression	19					-67.274	-0.217	0.003
Max. Mx	11					-38.418	0.911	-0.128
Max. My	2					-45.836	-0.003	0.998
Max. Vy	11					2.189	0.911	-0.128
Max. Vx	2					2.244	-0.003	0.998
Diagonal	Max Tension	9			4.940	0.000	0.000	
	Max. Compression	3			-5.822	0.000	0.000	
	Max. Mx	19			0.461	0.011	0.000	
	Max. My	13			1.775	0.000	0.000	
	Max. Vy	19			-0.012	0.000	0.000	
	Max. Vx	13			-0.000	0.000	0.000	
Horizontal	Max Tension	7			1.202	0.000	0.000	
	Max. Compression	23			-1.157	0.000	0.000	
	Max. Mx	18			1.143	0.008	0.000	
	Max. My	13			0.959	0.000	-0.000	
	Max. Vy	18			0.010	0.000	0.000	
	Max. Vx	13			0.000	0.000	0.000	
Top Girt	Max Tension	12	1.762	0.000	0.000			
	Max. Compression	6	-1.383	0.000	0.000			
	Max. Mx	17	0.214	0.008	0.000			
	Max. My	13	-0.959	0.000	-0.000			
	Max. Vy	17	0.010	0.000	0.000			
	Max. Vx	13	0.000	0.000	0.000			
Bottom Girt	Max Tension	4	2.172	0.000	0.000			
	Max. Compression	6	-2.185	0.000	0.000			
	Max. Mx	18	0.470	0.008	0.000			
	Max. My	13	-1.629	0.000	-0.000			
	Max. Vy	18	0.010	0.000	0.000			

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	Project	305' 36GT - 36.992869, -85.688069	Date	16:19:39 09/29/20
	Client	Uniti	Designed by	JLandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft		
T11	105 - 85	Guy A	Max. Vx	13	0.000	0.000	0.000		
			Bottom Tension	7	14.124				
			Top Tension	7	14.182				
			Top Cable Vert	7	6.315				
			Top Cable Norm	7	12.698				
			Top Cable Tan	7	0.001				
			Bot Cable Vert	7	-6.105				
			Bot Cable Norm	7	12.736				
			Bot Cable Tan	7	0.112				
			Guy B	Bottom Tension	11	14.440			
				Top Tension	11	14.499			
				Top Cable Vert	11	6.453			
				Top Cable Norm	11	12.983			
				Top Cable Tan	11	0.009			
		Bot Cable Vert		11	-6.243				
		Bot Cable Norm		11	13.020				
		Bot Cable Tan		11	0.119				
		Guy C		Bottom Tension	5	14.440			
				Top Tension	5	14.498			
			Top Cable Vert	5	6.453				
			Top Cable Norm	5	12.983				
			Top Cable Tan	5	0.008				
			Bot Cable Vert	5	-6.243				
			Bot Cable Norm	5	13.020				
			Bot Cable Tan	5	0.119				
		Top Guy Pull-Off	Max Tension	7	6.801	0.000	0.000		
			Max. Compression	1	0.000	0.000	0.000		
			Max. Mx	18	3.211	0.025	0.000		
			Max. My	13	5.769	0.000	-0.000		
			Max. Vy	26	-0.033	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
			Leg	Max Tension	1	0.000	0.000	0.000	
				Max. Compression	21	-73.943	-0.229	0.004	
				Max. Mx	5	-38.418	0.882	-0.059	
				Max. My	2	-42.523	-0.199	-0.845	
				Max. Vy	11	2.199	0.068	-0.118	
				Max. Vx	2	2.268	0.077	0.134	
				Diagonal	Max Tension	3	5.063	0.000	0.000
					Max. Compression	9	-5.126	0.000	0.000
					Max. Mx	19	0.701	0.011	0.000
					Max. My	13	-0.997	0.000	0.000
					Max. Vy	19	0.011	0.000	0.000
Max. Vx	13				-0.000	0.000	0.000		
Horizontal	Max Tension	21			1.269	0.000	0.000		
	Max. Compression	21			-1.269	0.000	0.000		
	Max. Mx	18			1.257	0.008	0.000		
	Max. My	13			1.132	0.000	-0.000		
	Max. Vy	18			0.010	0.000	0.000		
	Max. Vx	13			0.000	0.000	0.000		
	Top Girt	Max Tension	6	2.224	0.000	0.000			
		Max. Compression	4	-1.880	0.000	0.000			
		Max. Mx	18	-0.230	0.008	0.000			
		Max. My	13	1.724	0.000	-0.000			
		Max. Vy	18	0.010	0.000	0.000			
		Max. Vx	13	0.000	0.000	0.000			
Bottom Girt		Max Tension	4	1.057	0.000	0.000			
		Max. Compression	10	-0.829	0.000	0.000			
		Max. Mx	18	0.209	0.008	0.000			
		Max. My	13	-0.718	0.000	-0.000			
		Max. Vy	18	0.010	0.000	0.000			
		Max. Vx	13	0.000	0.000	0.000			

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Client	Uniti	Designed by	JLandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft		
T12	85 - 65	Leg	Max Tension	1	0.000	0.000	0.000		
			Max. Compression	21	-76.948	-0.242	0.002		
			Max. Mx	10	-65.887	-0.424	0.131		
			Max. My	2	-64.332	0.085	-0.421		
			Max. Vy	6	-0.918	0.199	0.239		
			Max. Vx	2	0.945	0.103	0.118		
		Diagonal	Max Tension	7	2.030	0.000	0.000		
			Max. Compression	13	-2.392	0.000	0.000		
			Max. Mx	24	-0.377	0.009	0.000		
			Max. My	13	1.138	0.000	0.000		
			Max. Vy	24	-0.010	0.000	0.000		
			Max. Vx	13	-0.000	0.000	0.000		
		Horizontal	Max Tension	21	1.326	0.000	0.000		
			Max. Compression	21	-1.326	0.000	0.000		
			Max. Mx	23	1.286	0.007	0.000		
			Max. My	13	1.214	0.000	-0.000		
			Max. Vy	23	0.010	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		Top Girt	Max Tension	10	0.800	0.000	0.000		
			Max. Compression	7	-0.739	0.000	0.000		
			Max. Mx	14	0.056	0.007	0.000		
			Max. My	13	0.746	0.000	-0.000		
			Max. Vy	14	0.010	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		Bottom Girt	Max Tension	7	0.755	0.000	0.000		
			Max. Compression	12	-0.584	0.000	0.000		
			Max. Mx	19	0.171	0.007	0.000		
			Max. My	13	0.153	0.000	-0.000		
			Max. Vy	19	0.010	0.000	0.000		
			Max. Vx	13	0.000	0.000	0.000		
		T13	65 - 45	Leg	Max Tension	1	0.000	0.000	0.000
					Max. Compression	17	-80.559	0.150	0.245
Max. Mx	19				-76.663	0.403	-0.002		
Max. My	13				-47.969	0.212	0.436		
Max. Vy	12				-0.652	0.362	-0.134		
Max. Vx	7				0.805	-0.067	-0.212		
Diagonal	Max Tension			7	2.182	0.000	0.000		
	Max. Compression			6	-2.934	0.000	0.000		
	Max. Mx			20	-0.964	0.009	0.000		
	Max. My			13	1.058	0.000	0.000		
	Max. Vy			20	0.009	0.000	0.000		
	Max. Vx			13	-0.000	0.000	0.000		
Horizontal	Max Tension			17	1.384	0.000	0.000		
	Max. Compression			17	-1.384	0.000	0.000		
	Max. Mx			14	1.272	0.007	0.000		
	Max. My			13	1.207	0.000	-0.000		
	Max. Vy			14	-0.009	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Top Girt	Max Tension			13	1.010	0.000	0.000		
	Max. Compression			7	-0.782	0.000	0.000		
	Max. Mx			19	0.125	0.007	0.000		
	Max. My			13	-0.101	0.000	-0.000		
	Max. Vy			19	-0.009	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Bottom Girt	Max Tension			7	0.944	0.000	0.000		
	Max. Compression			13	-0.508	0.000	0.000		
	Max. Mx			17	0.271	0.007	0.000		
	Max. My			13	-0.508	0.000	-0.000		
	Max. Vy			17	-0.009	0.000	0.000		
	Max. Vx			13	0.000	0.000	0.000		
Guy A	Bottom Tension			7	6.633				

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	Project 305' 36GT - 36.992869, -85.688069	Date 16:19:39 09/29/20
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Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
			Top Tension	7	6.648		
			Top Cable Vert	7	1.556		
			Top Cable Norm	7	6.463		
			Top Cable Tan	7	0.009		
			Bot Cable Vert	7	-1.469		
			Bot Cable Norm	7	6.468		
			Bot Cable Tan	7	0.047		
		Guy B	Bottom Tension	11	6.700		
			Top Tension	11	6.715		
			Top Cable Vert	11	1.571		
			Top Cable Norm	11	6.529		
			Top Cable Tan	11	0.007		
			Bot Cable Vert	11	-1.484		
			Bot Cable Norm	11	6.534		
			Bot Cable Tan	11	0.049		
		Guy C	Bottom Tension	5	6.702		
			Top Tension	5	6.717		
			Top Cable Vert	5	1.572		
			Top Cable Norm	5	6.530		
			Top Cable Tan	5	0.007		
			Bot Cable Vert	5	-1.484		
			Bot Cable Norm	5	6.535		
			Bot Cable Tan	5	0.049		
		Top Guy Pull-Off	Max Tension	7	3.651	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
			Max. Mx	14	2.506	0.024	0.000
			Max. My	13	3.060	0.000	-0.000
			Max. Vy	14	0.032	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
T14	45 - 25	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	17	-81.796	0.153	0.256
			Max. Mx	6	-18.942	0.474	-0.099
			Max. My	7	-48.422	0.236	0.550
			Max. Vy	6	0.990	0.093	-0.118
			Max. Vx	13	-1.015	0.103	0.128
		Diagonal	Max Tension	13	1.850	0.000	0.000
			Max. Compression	6	-2.955	0.000	0.000
			Max. Mx	20	-0.535	0.009	0.000
			Max. My	13	-0.070	0.000	0.000
			Max. Vy	20	0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
		Horizontal	Max Tension	17	1.414	0.000	0.000
			Max. Compression	17	-1.414	0.000	0.000
			Max. Mx	17	1.266	0.007	0.000
			Max. My	13	1.249	0.000	-0.000
			Max. Vy	17	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Top Girt	Max Tension	13	0.644	0.000	0.000
			Max. Compression	7	-0.595	0.000	0.000
			Max. Mx	17	0.087	0.007	0.000
			Max. My	13	0.644	0.000	-0.000
			Max. Vy	17	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
		Bottom Girt	Max Tension	7	1.109	0.000	0.000
			Max. Compression	13	-0.734	0.000	0.000
			Max. Mx	25	0.298	0.007	0.000
			Max. My	13	0.203	0.000	-0.000
			Max. Vy	25	-0.009	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
T15	25 - 5	Leg	Max Tension	1	0.000	0.000	0.000
			Max. Compression	17	-81.808	0.076	0.246

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	Client	Uniti	Designed by	JLandon

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
T16	5 - 0	Diagonal	Max. Mx	24	-79.352	3.932	2.235
			Max. My	22	-79.389	-0.023	-4.527
			Max. Vy	18	12.267	-3.912	2.295
			Max. Vx	21	14.035	-0.050	-4.525
			Max Tension	12	3.914	0.000	0.000
			Max. Compression	6	-4.752	0.000	0.000
			Max. Mx	18	0.289	0.009	0.000
			Max. My	13	1.255	0.000	0.000
			Max. Vy	18	-0.009	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	17	1.414	0.000	0.000
			Max. Compression	17	-1.414	0.000	0.000
		Horizontal	Max. Mx	19	1.383	0.006	0.000
			Max. My	13	1.172	0.000	-0.000
			Max. Vy	19	0.008	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	13	1.159	0.000	0.000
			Max. Compression	7	-0.994	0.000	0.000
		Top Girt	Max. Mx	25	0.079	0.006	0.000
			Max. My	13	-0.039	0.000	-0.000
			Max. Vy	25	0.008	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	19	8.522	0.000	0.000
			Max. Compression	1	0.000	0.000	0.000
		Bottom Girt	Max. Mx	19	8.321	0.006	0.000
			Max. My	13	5.277	0.000	-0.000
			Max. Vy	19	0.008	0.000	0.000
			Max. Vx	13	0.000	0.000	0.000
			Max Tension	1	0.000	0.000	0.000
			Max. Compression	20	-84.311	0.164	0.483
		Leg	Max. Mx	18	-79.657	4.536	-0.030
			Max. My	7	-54.853	-0.327	2.413
			Max. Vy	19	13.313	-0.910	0.062
			Max. Vx	7	-4.611	-0.231	2.381
			Max Tension	7	2.195	0.000	0.000
			Max. Compression	7	-13.775	0.000	0.000
		Diagonal	Max. Mx	19	0.027	0.005	0.000
			Max. My	13	-2.729	0.000	0.000
			Max. Vy	19	-0.007	0.000	0.000
			Max. Vx	13	-0.000	0.000	0.000
			Max Tension	20	1.523	0.000	0.000
			Max. Compression	20	-1.523	0.000	0.000
		Horizontal	Max. Mx	17	1.483	0.001	0.000
			Max. My	13	0.990	0.000	-0.000
			Max. Vy	17	-0.003	0.000	0.000
Max. Vx	13		0.000	0.000	0.000		
Max Tension	15		8.466	0.000	0.000		
Max. Compression	1		0.000	0.000	0.000		
Top Girt	Max. Mx	19	8.413	0.004	0.000		
	Max. My	13	5.584	0.000	-0.000		
	Max. Vy	19	-0.006	0.000	0.000		
	Max. Vx	13	0.000	0.000	0.000		
	Max Tension	7	4.019	0.000	0.000		
	Max. Compression	12	-0.056	0.000	0.000		
Bottom Girt	Max. Mx	14	3.255	0.000	0.000		
	Max. Vy	14	-0.001	0.000	0.000		
	Max. Vx	13	0.000	0.000	0.000		
	Max. Vx	13	0.000	0.000	0.000		

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Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K	
Mast	Max. Vert	23	235.984	-0.171	0.104	
	Max. H _x	12	120.071	1.025	0.564	
	Max. H _y	4	120.272	-1.025	0.578	
	Max. M _x	1	0.000	-0.003	0.002	
	Max. M _y	1	0.000	-0.003	0.002	
	Max. Torsion	13	2.409	0.578	0.143	
	Min. Vert	1	71.681	-0.003	0.002	
	Min. H _x	4	120.272	-1.025	0.578	
	Min. H _y	8	118.385	-0.005	-1.166	
	Min. M _x	1	0.000	-0.003	0.002	
	Min. M _y	1	0.000	-0.003	0.002	
	Min. Torsion	7	-2.726	0.157	-0.561	
	Guy C @ 236 ft Elev 0 ft Azimuth 240 deg	Max. Vert	10	-1.174	-0.774	0.447
Max. H _x		10	-1.174	-0.774	0.447	
Max. H _y		3	-65.675	-64.891	38.773	
Min. Vert		5	-66.467	-67.048	37.350	
Min. H _x		5	-66.467	-67.048	37.350	
Min. H _y		10	-1.174	-0.774	0.447	
Guy B @ 236 ft Elev 0 ft Azimuth 120 deg		Max. Vert	6	-1.180	0.778	0.450
		Max. H _x	11	-66.476	67.058	37.354
		Max. H _y	13	-65.332	64.651	38.612
		Min. Vert	11	-66.476	67.058	37.354
	Min. H _x	6	-1.180	0.778	0.450	
	Min. H _y	6	-1.180	0.778	0.450	
Guy A @ 236 ft Elev 0 ft Azimuth 0 deg	Max. Vert	2	-1.176	-0.000	-0.905	
	Max. H _x	10	-55.239	1.932	-63.981	
	Max. H _y	2	-1.176	-0.000	-0.905	
	Min. Vert	9	-64.496	1.142	-74.461	
	Min. H _x	5	-32.881	-1.917	-37.864	
	Min. H _y	9	-64.496	1.142	-74.461	

Tower Mast Reaction Summary

Load Combination	Vertical K	Shear _x K	Shear _y K	Overturning Moment, M _x kip-ft	Overturning Moment, M _y kip-ft	Torque kip-ft
Dead Only	71.681	0.003	-0.002	0.000	0.000	0.112
1.2 Dead+1.6 Wind 0 deg - No Ice+1.0 Guy	156.611	0.000	0.107	0.000	0.000	-0.236
1.2 Dead+1.6 Wind 30 deg - No Ice+1.0 Guy	142.486	0.576	-0.142	0.000	0.000	1.304
1.2 Dead+1.6 Wind 60 deg - No Ice+1.0 Guy	120.272	1.025	-0.578	0.000	0.000	0.647
1.2 Dead+1.6 Wind 90 deg - No Ice+1.0 Guy	143.786	0.349	-0.463	0.000	0.000	0.132
1.2 Dead+1.6 Wind 120 deg - No Ice+1.0 Guy	156.737	-0.186	-0.122	0.000	0.000	1.811
1.2 Dead+1.6 Wind 150 deg - No Ice+1.0 Guy	142.096	-0.157	0.561	0.000	0.000	2.726

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Load Combination	Vertical K	Shear _x K	Shear _y K	Overturning Moment, M _x kip-ft	Overturning Moment, M _y kip-ft	Torque kip-ft
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 180 deg -	118.385	0.005	1.166	0.000	0.000	0.780
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 210 deg -	142.612	0.167	0.555	0.000	0.000	-0.598
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 240 deg -	157.355	0.197	-0.128	0.000	0.000	0.184
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 270 deg -	143.797	-0.340	-0.460	0.000	0.000	0.379
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 300 deg -	120.071	-1.025	-0.564	0.000	0.000	-1.894
No Ice+1.0 Guy						
1.2 Dead+1.6 Wind 330 deg -	141.987	-0.578	-0.143	0.000	0.000	-2.409
No Ice+1.0 Guy						
1.2 Dead+1.0 Ice+1.0	234.572	0.028	-0.017	0.000	0.000	0.423
Temp+Guy						
1.2 Dead+1.0 Wind 0 deg+1.0	235.935	0.028	0.145	0.000	0.000	0.314
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 30 deg+1.0	235.392	-0.038	0.115	0.000	0.000	0.486
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 60 deg+1.0	234.912	-0.093	0.056	0.000	0.000	0.447
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 90 deg+1.0	235.425	-0.120	-0.024	0.000	0.000	0.439
Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 120	235.964	-0.116	-0.106	0.000	0.000	0.609
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 150	235.408	-0.049	-0.144	0.000	0.000	0.701
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 180	234.910	0.028	-0.156	0.000	0.000	0.537
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 210	235.419	0.104	-0.143	0.000	0.000	0.384
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 240	235.984	0.171	-0.104	0.000	0.000	0.422
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 270	235.441	0.176	-0.023	0.000	0.000	0.412
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 300	234.923	0.150	0.058	0.000	0.000	0.223
deg+1.0 Ice+1.0 Temp+1.0 Guy						
1.2 Dead+1.0 Wind 330	235.398	0.095	0.117	0.000	0.000	0.131
deg+1.0 Ice+1.0 Temp+1.0 Guy						
Dead+Wind 0 deg -	74.814	0.003	-0.468	0.000	0.000	-0.060
Service+Guy						
Dead+Wind 30 deg -	74.419	0.250	-0.417	0.000	0.000	0.509
Service+Guy						
Dead+Wind 60 deg -	74.505	0.431	-0.250	0.000	0.000	0.247
Service+Guy						
Dead+Wind 90 deg -	74.509	0.489	-0.010	0.000	0.000	0.087
Service+Guy						
Dead+Wind 120 deg -	74.846	0.414	0.235	0.000	0.000	0.678
Service+Guy						
Dead+Wind 150 deg -	74.345	0.240	0.419	0.000	0.000	0.972
Service+Guy						
Dead+Wind 180 deg -	74.327	0.004	0.478	0.000	0.000	0.296
Service+Guy						
Dead+Wind 210 deg -	74.375	-0.232	0.420	0.000	0.000	-0.187
Service+Guy						
Dead+Wind 240 deg -	74.913	-0.407	0.236	0.000	0.000	0.071
Service+Guy						
Dead+Wind 270 deg -	74.513	-0.482	-0.009	0.000	0.000	0.149
Service+Guy						
Dead+Wind 300 deg -	74.496	-0.424	-0.248	0.000	0.000	-0.525
Service+Guy						

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Load Combination	Vertical K	Shear _x K	Shear _z K	Overturning Moment, M _y kip-ft	Overturning Moment, M _z kip-ft	Torque kip-ft
Dead+Wind 330 deg - Service+Guy	74.398	-0.243	-0.416	0.000	0.000	-0.823

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.000	-35.593	0.000	0.000	35.592	0.000	0.002%
2	-0.000	-42.350	-66.827	0.000	42.350	66.820	0.009%
3	34.797	-41.992	-56.870	-34.798	41.992	56.861	0.011%
4	58.980	-41.634	-33.650	-58.981	41.634	33.647	0.004%
5	67.639	-41.992	-1.575	-67.631	41.992	1.580	0.012%
6	59.855	-42.350	31.414	-59.848	42.349	-31.410	0.010%
7	32.774	-41.992	56.612	-32.766	41.992	-56.608	0.011%
8	0.000	-41.634	65.035	0.000	41.634	-65.036	0.001%
9	-32.906	-41.992	56.841	32.898	41.992	-56.838	0.011%
10	-60.084	-42.350	31.546	60.077	42.349	-31.542	0.010%
11	-67.639	-41.992	-1.575	67.631	41.992	1.580	0.012%
12	-58.751	-41.634	-33.517	58.753	41.634	33.514	0.005%
13	-34.665	-41.992	-56.641	34.666	41.992	56.632	0.011%
14	0.000	-170.379	0.000	0.001	170.379	-0.002	0.001%
15	0.000	-170.558	-9.973	0.000	170.558	9.972	0.001%
16	5.081	-170.379	-8.540	-5.081	170.379	8.539	0.001%
17	8.739	-170.200	-5.015	-8.738	170.200	5.014	0.001%
18	10.073	-170.379	-0.120	-10.072	170.379	0.121	0.001%
19	8.810	-170.558	4.846	-8.809	170.558	-4.845	0.001%
20	4.929	-170.379	8.526	-4.928	170.379	-8.525	0.001%
21	0.000	-170.200	9.838	0.000	170.200	-9.838	0.000%
22	-4.936	-170.379	8.538	4.935	170.379	-8.537	0.001%
23	-8.821	-170.558	4.852	8.820	170.558	-4.852	0.001%
24	-10.073	-170.379	-0.120	10.072	170.379	0.121	0.001%
25	-8.727	-170.200	-5.008	8.727	170.200	5.007	0.001%
26	-5.074	-170.379	-8.528	5.074	170.379	8.527	0.001%
27	0.000	-35.692	-18.563	0.000	35.692	18.562	0.003%
28	9.666	-35.593	-15.797	-9.666	35.593	15.795	0.005%
29	16.383	-35.494	-9.347	-16.382	35.493	9.347	0.004%
30	18.789	-35.593	-0.438	-18.788	35.593	0.438	0.003%
31	16.626	-35.692	8.726	-16.625	35.692	-8.725	0.004%
32	9.104	-35.593	15.726	-9.102	35.593	-15.725	0.005%
33	0.000	-35.494	18.065	-0.000	35.493	-18.064	0.003%
34	-9.140	-35.593	15.789	9.139	35.593	-15.789	0.005%
35	-16.690	-35.692	8.763	16.689	35.692	-8.762	0.004%
36	-18.789	-35.593	-0.438	18.788	35.593	0.438	0.003%
37	-16.320	-35.494	-9.310	16.318	35.493	9.310	0.004%
38	-9.629	-35.593	-15.734	9.630	35.593	15.731	0.005%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	7	0.00000001	0.00010625
2	Yes	27	0.00008876	0.00010486

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3	Yes	26	0.00011915	0.00012989
4	Yes	25	0.00014098	0.00010856
5	Yes	26	0.00012377	0.00013857
6	Yes	27	0.00009716	0.00011516
7	Yes	26	0.00011774	0.00012670
8	Yes	17	0.00000001	0.00007897
9	Yes	26	0.00011761	0.00012687
10	Yes	27	0.00009689	0.00011506
11	Yes	26	0.00012381	0.00013865
12	Yes	27	0.00013054	0.00009754
13	Yes	26	0.00011921	0.00012957
14	Yes	13	0.00015000	0.00012250
15	Yes	24	0.00000001	0.00003801
16	Yes	23	0.00000001	0.00003988
17	Yes	21	0.00000001	0.00004904
18	Yes	23	0.00014182	0.00004979
19	Yes	24	0.00013702	0.00004739
20	Yes	23	0.00014556	0.00005058
21	Yes	22	0.00000001	0.00004030
22	Yes	23	0.00000001	0.00004427
23	Yes	24	0.00000001	0.00004233
24	Yes	23	0.00000001	0.00004396
25	Yes	21	0.00000001	0.00004302
26	Yes	23	0.00000001	0.00004051
27	Yes	19	0.00000001	0.00004195
28	Yes	17	0.00012887	0.00006191
29	Yes	12	0.00000001	0.00007743
30	Yes	18	0.00000001	0.00004154
31	Yes	19	0.00011252	0.00005494
32	Yes	17	0.00012805	0.00006013
33	Yes	12	0.00000001	0.00009338
34	Yes	17	0.00012832	0.00006060
35	Yes	19	0.00011325	0.00005583
36	Yes	18	0.00000001	0.00004186
37	Yes	12	0.00000001	0.00007474
38	Yes	17	0.00012966	0.00006219

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	305 - 285	7.315	27	0.217	0.643
T2	285 - 265	6.513	27	0.181	0.647
T3	265 - 245	5.744	27	0.207	0.658
T4	245 - 225	4.972	35	0.154	0.631
T5	225 - 205	4.582	35	0.084	0.665
T6	205 - 185	4.382	35	0.065	0.759
T7	185 - 165	4.174	35	0.069	0.854
T8	165 - 145	4.016	35	0.055	0.927
T9	145 - 125	3.852	31	0.072	0.975
T10	125 - 105	3.564	31	0.074	0.986
T11	105 - 85	3.354	31	0.039	0.984
T12	85 - 65	3.166	31	0.074	0.968
T13	65 - 45	2.725	31	0.136	0.921
T14	45 - 25	2.078	31	0.172	0.857
T15	25 - 5	1.262	31	0.218	0.775
T16	5 - 0	0.262	31	0.247	0.698

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Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
305.000	Lightning Rod 1"x10'	27	7.315	0.217	0.643	130023
300.000	Sector1(CaAa=13333.33 Sq.in)No Ice	27	7.110	0.203	0.643	130023
290.193	Guy	27	6.714	0.183	0.644	43905
282.000	Sector1(CaAa=10000 Sq.in)No Ice	27	6.400	0.183	0.650	55579
270.000	Sector1(CaAa=10000 Sq.in)No Ice	27	5.949	0.204	0.659	19486
258.000	6' MW Dish	35	5.458	0.198	0.649	82512
246.000	6' MW Dish	35	5.004	0.158	0.631	8506
242.211	Guy	35	4.892	0.143	0.630	8443
175.000	Guy	35	4.088	0.061	0.894	63035
115.000	Guy	31	3.444	0.053	0.986	27310
55.000	Guy	31	2.422	0.155	0.915	28907

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
T1	305 - 285	58.050	2	1.567	1.921
T2	285 - 265	51.732	2	1.437	1.943
T3	265 - 245	45.582	2	1.525	2.031
T4	245 - 225	39.609	10	1.297	1.971
T5	225 - 205	35.503	10	0.985	1.991
T6	205 - 185	32.349	10	0.811	2.144
T7	185 - 165	29.541	10	0.664	2.378
T8	165 - 145	27.372	6	0.482	2.560
T9	145 - 125	25.531	6	0.473	2.680
T10	125 - 105	23.468	6	0.464	2.679
T11	105 - 85	21.853	6	0.352	2.666
T12	85 - 65	20.231	6	0.542	2.645
T13	65 - 45	17.274	6	0.887	2.513
T14	45 - 25	13.062	6	1.120	2.330
T15	25 - 5	7.812	6	1.372	2.105
T16	5 - 0	1.608	6	1.520	1.862

Critical Deflections and Radius of Curvature - Design Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
305.000	Lightning Rod 1"x10'	2	58.050	1.567	1.921	36731
300.000	Sector1(CaAa=13333.33 Sq.in)No Ice	2	56.452	1.516	1.920	36731
290.193	Guy	2	53.345	1.445	1.928	12402
282.000	Sector1(CaAa=10000 Sq.in)No Ice	2	50.814	1.446	1.957	14089
270.000	Sector1(CaAa=10000 Sq.in)No Ice	2	47.153	1.517	2.019	5521
258.000	6' MW Dish	2	43.311	1.483	2.021	11838

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Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
246.000	6' MW Dish	10	39.863	1.314	1.975	2218
242.211	Guy	10	38.929	1.250	1.965	2178
175.000	Guy	6	28.374	0.564	2.475	6259
115.000	Guy	6	22.597	0.394	2.668	7047
55.000	Guy	6	15.303	1.056	2.490	4423

Bolt Design Data

Section No.	Elevation	Component Type	Bolt Grade	Bolt Size	Number Of Bolts	Maximum Load per Bolt K	Allowable Load per Bolt K	Ratio Load Allowable	Allowable Ratio	Criteria
	ft			in						
T2	285	Leg	A325N	0.750	3	2.005	29.821	0.067 ✓	1	Bolt Tension
T3	265	Leg	A325N	0.750	3	2.858	29.821	0.096 ✓	1	Bolt Tension
T4	245	Leg	A325N	0.750	3	16.673	29.821	0.559 ✓	1	Bolt Tension
T5	225	Leg	A325N	0.750	3	8.014	29.821	0.269 ✓	1	Bolt Tension
T6	205	Leg	A325N	0.750	3	5.963	29.821	0.200 ✓	1	Bolt Tension
T7	185	Leg	A325N	0.750	3	6.267	29.821	0.210 ✓	1	Bolt Tension
T8	165	Leg	A325N	0.750	3	6.326	29.821	0.212 ✓	1	Bolt Tension
T9	145	Leg	A325N	0.750	3	6.392	29.821	0.214 ✓	1	Bolt Tension
T10	125	Leg	A325N	0.750	3	6.750	29.821	0.226 ✓	1	Bolt Tension
T11	105	Leg	A325N	0.750	3	7.475	29.821	0.251 ✓	1	Bolt Tension
T12	85	Leg	A325N	0.750	3	8.216	29.821	0.276 ✓	1	Bolt Tension
T13	65	Leg	A325N	0.750	3	8.550	29.821	0.287 ✓	1	Bolt Tension
T14	45	Leg	A325N	0.750	3	8.953	29.821	0.300 ✓	1	Bolt Tension
T15	25	Leg	A325N	0.750	3	9.090	29.821	0.305 ✓	1	Bolt Tension
T16	5	Leg	A325N	0.750	3	8.852	29.821	0.297 ✓	1	Bolt Tension

Guy Design Data

Section No.	Elevation	Size	Initial Tension	Breaking Load	Actual T ₀	Allowable φT ₀	Required S.F.	Actual S.F.
	ft		K	K	K	K		
T1	290.193 (A) (867)	3/4 EModulus EHS	5.830	58.300	32.654	34.980	1.000	1.071 ✓
	290.193 (B) (866)	3/4 EModulus EHS	5.830	58.300	32.770	34.980	1.000	1.067 ✓
	290.193 (C) (862)	3/4 EModulus EHS	5.830	58.300	33.047	34.980	1.000	1.058 ✓
T4	242.211 (A)	9/16	3.500	35.000	18.769	21.000	1.000	1.119 ✓

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Section No.	Elevation ft	Size	Initial Tension K	Breaking Load K	Actual T_u K	Allowable ϕT_u K	Required S.F.	Actual S.F.
	(858)	EModulus EHS 9/16	3.500	35.000	18.844	21.000	1.000	1.114 ✓
	242.211 (A) (859)	EModulus EHS 9/16	3.500	35.000	19.713	21.000	1.000	1.065 ✓
	242.211 (B) (854)	EModulus EHS 9/16	3.500	35.000	19.295	21.000	1.000	1.088 ✓
	242.211 (B) (855)	EModulus EHS 9/16	3.500	35.000	19.308	21.000	1.000	1.088 ✓
	242.211 (C) (847)	EModulus EHS 9/16	3.500	35.000	19.584	21.000	1.000	1.072 ✓
	242.211 (C) (848)	EModulus EHS 9/16	3.500	35.000	19.584	21.000	1.000	1.072 ✓
T7	175.000 (A) (846)	EModulus EHS 7/16	2.080	20.800	10.836	12.480	1.000	1.152 ✓
	175.000 (B) (845)	EModulus EHS 7/16	2.080	20.800	11.433	12.480	1.000	1.092 ✓
	175.000 (C) (841)	EModulus EHS 7/16	2.080	20.800	11.429	12.480	1.000	1.092 ✓
T10	115.000 (A) (840)	EModulus EHS 1/2	2.690	26.900	14.182	16.140	1.000	1.138 ✓
	115.000 (B) (839)	EModulus EHS 1/2	2.690	26.900	14.499	16.140	1.000	1.113 ✓
	115.000 (C) (835)	EModulus EHS 1/2	2.690	26.900	14.498	16.140	1.000	1.113 ✓
T13	55.000 (A) (834)	EModulus EHS 3/8	1.540	15.400	6.648	9.240	1.000	1.390 ✓
	55.000 (B) (833)	EModulus EHS 3/8	1.540	15.400	6.715	9.240	1.000	1.376 ✓
	55.000 (C) (829)	EModulus EHS 3/8	1.540	15.400	6.717	9.240	1.000	1.376 ✓

Compression Checks

Leg Design Data (Compression)

Section No.	Elevation ft	Size	L	L_u	Kl/r	A	P_u	ϕP_u	Ratio $\frac{P_u}{\phi P_u}$
			ft	ft		in^2	K	K	
T1	305 - 285	1 1/2	20.000	2.404	76.9	1.767	-29.478	51.596	0.571 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T2	285 - 265	1 1/2	20.000	2.404	K=1.00 76.9	1.767	-29.691	51.596	0.575 ¹
T3	265 - 245	2	20.000	2.404	K=1.00 57.7	3.142	-82.680	110.838	0.746 ¹
T4	245 - 225	2 1/4	20.000	2.404	K=1.00 51.3	3.976	-101.694	147.629	0.689 ¹
T5	225 - 205	2	20.000	2.404	K=1.00 57.7	3.142	-70.355	110.838	0.635 ¹
T6	205 - 185	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-55.125	78.769	0.700 ¹
T7	185 - 165	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-63.716	78.769	0.809 ¹
T8	165 - 145	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-57.206	78.769	0.726 ¹
T9	145 - 125	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-60.184	78.769	0.764 ¹
T10	125 - 105	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-66.804	78.769	0.848 ¹
T11	105 - 85	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-73.258	78.769	0.930 ¹
T12	85 - 65	1 3/4	20.000	2.404	K=1.00 65.9	2.405	-76.553	78.769	0.972 ¹
T13	65 - 45	2	20.000	2.404	K=1.00 57.7	3.142	-79.885	110.838	0.721 ¹
T14	45 - 25	2	20.000	2.404	K=1.00 57.7	3.142	-81.651	110.838	0.737 ¹
T15	25 - 5	2	20.000	2.404	K=1.00 57.7	3.142	-81.609	110.838	0.736 ¹
T16	5 - 0	2	5.292	2.238	K=1.00 53.7	3.142	-84.311	114.489	0.736 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	305 - 285	1	3.844	3.684	123.8 K=0.70	0.785	-7.834	11.580	0.676 ¹
T2	285 - 265	1	3.844	3.684	123.8 K=0.70	0.785	-7.819	11.580	0.675 ¹
T3	265 - 245	1 1/8	3.844	3.631	108.4 K=0.70	0.994	-12.787	18.934	0.675 ¹
T4	245 - 225	1 1/8	3.844	3.604	107.6 K=0.70	0.994	-15.875	19.174	0.828 ¹
T5	225 - 205	.875	3.844	3.631	139.4 K=0.70	0.601	-4.740	6.989	0.678 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T6	205 - 185	.75	3.844	3.657	163.8 K=0.70	0.442	-2.586	3.718	0.696 ¹
T7	185 - 165	.75	3.844	3.657	163.8 K=0.70	0.442	-3.671	3.718	0.987 ¹
T8	165 - 145	.75	3.844	3.657	163.8 K=0.70	0.442	-3.065	3.718	0.824 ¹
T9	145 - 125	.875	3.844	3.657	140.4 K=0.70	0.601	-3.943	6.888	0.572 ¹
T10	125 - 105	.875	3.844	3.657	140.4 K=0.70	0.601	-5.822	6.888	0.845 ¹
T11	105 - 85	.875	3.844	3.657	140.4 K=0.70	0.601	-5.126	6.888	0.744 ¹
T12	85 - 65	.75	3.844	3.657	163.8 K=0.70	0.442	-2.392	3.718	0.643 ¹
T13	65 - 45	.75	3.844	3.631	162.6 K=0.70	0.442	-2.934	3.773	0.778 ¹
T14	45 - 25	.75	3.844	3.631	162.6 K=0.70	0.442	-2.955	3.773	0.783 ¹
T15	25 - 5	.875	3.844	3.631	139.4 K=0.70	0.601	-4.752	6.989	0.680 ¹
T16	5 - 0	1	2.314	1.904	90.1 K=0.99	0.785	-13.775	19.517	0.706 ¹

¹ P_u / φP_n controls

Horizontal Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	305 - 285	3/4	3.000	2.875	128.8 K=0.70	0.442	-2.733	6.016	0.454 ¹
T2	285 - 265	3/4	3.000	2.875	128.8 K=0.70	0.442	-2.838	6.016	0.472 ¹
T3	265 - 245	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.503	6.194	0.243 ¹
T4	245 - 225	3/4	3.000	2.813	126.0 K=0.70	0.442	-2.343	6.287	0.373 ¹
T5	225 - 205	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.219	6.194	0.197 ¹
T6	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.955	6.104	0.156 ¹
T7	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.104	6.104	0.181 ¹
T8	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.991	6.104	0.162 ¹
T9	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.042	6.104	0.171 ¹
T10	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.157	6.104	0.190 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T11	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.269	6.104	0.208 ¹ ✓
T12	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.326	6.104	0.217 ¹ ✓
T13	65 - 45	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.384	6.194	0.223 ¹ ✓
T14	45 - 25	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.414	6.194	0.228 ¹ ✓
T15	25 - 5	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.414	6.194	0.228 ¹ ✓
T16	5 - 0	3/4	1.500	1.333	89.3 K=1.05	0.442	-1.523	11.095	0.137 ¹ ✓

¹ P_u / φP_n controls

Top Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	305 - 285	3/4	3.000	2.875	128.8 K=0.70	0.442	-0.093	6.016	0.016 ¹ ✓
T2	285 - 265	3/4	3.000	2.875	128.8 K=0.70	0.442	-3.489	6.016	0.580 ¹ ✓
T3	265 - 245	3/4	3.000	2.833	126.9 K=0.70	0.442	-2.717	6.194	0.439 ¹ ✓
T4	245 - 225	3/4	3.000	2.813	126.0 K=0.70	0.442	-4.958	6.287	0.789 ¹ ✓
T5	225 - 205	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.623	6.194	0.262 ¹ ✓
T6	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.682	6.104	0.112 ¹ ✓
T7	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.812	6.104	0.133 ¹ ✓
T8	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.038	6.104	0.170 ¹ ✓
T9	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.309	6.104	0.051 ¹ ✓
T10	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.383	6.104	0.227 ¹ ✓
T11	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.880	6.104	0.308 ¹ ✓
T12	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.739	6.104	0.121 ¹ ✓
T13	65 - 45	3/4	3.000	2.833	126.9 K=0.70	0.442	-0.782	6.194	0.126 ¹ ✓
T14	45 - 25	3/4	3.000	2.833	126.9 K=0.70	0.442	-0.595	6.194	0.096 ¹ ✓

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
T15	25 - 5	3/4	3.000	2.833	126.9 K=0.70	0.442	-0.994	6.194	0.160 ¹ ✓

¹ P_u / φP_n controls

Bottom Girt Design Data (Compression)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio P _u / φP _n
T1	305 - 285	3/4	3.000	2.875	128.8 K=0.70	0.442	-3.265	6.016	0.543 ¹ ✓
T2	285 - 265	3/4	3.000	2.875	128.8 K=0.70	0.442	-2.222	6.016	0.369 ¹ ✓
T3	265 - 245	3/4	3.000	2.833	126.9 K=0.70	0.442	-3.715	6.194	0.600 ¹ ✓
T4	245 - 225	3/4	3.000	2.813	126.0 K=0.70	0.442	-1.963	6.287	0.312 ¹ ✓
T5	225 - 205	3/4	3.000	2.833	126.9 K=0.70	0.442	-1.034	6.194	0.167 ¹ ✓
T6	205 - 185	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.794	6.104	0.130 ¹ ✓
T7	185 - 165	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.333	6.104	0.218 ¹ ✓
T8	165 - 145	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.187	6.104	0.031 ¹ ✓
T9	145 - 125	3/4	3.000	2.854	127.9 K=0.70	0.442	-1.470	6.104	0.241 ¹ ✓
T10	125 - 105	3/4	3.000	2.854	127.9 K=0.70	0.442	-2.185	6.104	0.358 ¹ ✓
T11	105 - 85	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.829	6.104	0.136 ¹ ✓
T12	85 - 65	3/4	3.000	2.854	127.9 K=0.70	0.442	-0.584	6.104	0.096 ¹ ✓
T13	65 - 45	3/4	3.000	2.833	126.9 K=0.70	0.442	-0.508	6.194	0.082 ¹ ✓
T14	45 - 25	3/4	3.000	2.833	126.9 K=0.70	0.442	-0.734	6.194	0.119 ¹ ✓
T16	5 - 0	3/4	0.231	0.065	4.5 K=1.10	0.442	-0.056	19.850	0.003 ¹ ✓

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Compression)

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T4	245 - 225	4x5/8	3.000	2.813	149.6 K=0.80	2.500	-13.258	25.219	0.526 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T4	245 - 225 (849)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-0.160	238.414	0.001
T4	245 - 225 (850)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-6.282	238.414	0.026
T4	245 - 225 (856)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-7.098	238.414	0.030
T4	245 - 225 (857)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-7.120	238.414	0.030
T4	245 - 225 (860)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-0.127	238.414	0.001
T4	245 - 225 (861)	C12x20.7	3.000	2.906	43.6 K=1.00	6.090	-6.064	238.414	0.025

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T4	245 - 225 (849)	C12x20.7	-42.868	94.819	0.452	-0.000	9.731	0.000
T4	245 - 225 (850)	C12x20.7	-39.881	94.819	0.421	-0.000	9.731	0.000
T4	245 - 225 (856)	C12x20.7	-42.590	94.819	0.449	0.000	9.731	0.000
T4	245 - 225 (857)	C12x20.7	-42.599	94.819	0.449	-0.000	9.731	0.000
T4	245 - 225 (860)	C12x20.7	-42.632	94.819	0.450	0.000	9.731	0.000
T4	245 - 225 (861)	C12x20.7	-39.153	94.819	0.413	0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T4	245 - 225 (849)	C12x20.7	0.001	0.452	0.000	0.452 ✓	1.000	4.8.1 ✓
T4	245 - 225 (850)	C12x20.7	0.026	0.421	0.000	0.434 ✓	1.000	4.8.1 ✓
T4	245 - 225 (856)	C12x20.7	0.030	0.449	0.000	0.464 ✓	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{nx}}$	$\frac{M_{uy}}{\phi M_{ny}}$			
T4	245 - 225 (857)	C12x20.7	0.030	0.449	0.000	0.464	1.000	4.8.1 ✓
T4	245 - 225 (860)	C12x20.7	0.001	0.450	0.000	0.450	1.000	4.8.1 ✓
T4	245 - 225 (861)	C12x20.7	0.025	0.413	0.000	0.426	1.000	4.8.1 ✓

Tension Checks

Leg Design Data (Tension)

Section No.	Elevation ft	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
			ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	305 - 285	1 1/2	20.000	2.404	76.9	1.767	26.073	79.522	0.328 ¹
T3	265 - 245	2	20.000	0.385	9.3	3.142	50.027	141.372	0.354 ¹
T4	245 - 225	2 1/4	20.000	2.404	51.3	3.976	56.786	178.924	0.317 ¹

¹ P_u / φP_n controls

Diagonal Design Data (Tension)

Section No.	Elevation ft	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
			ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	305 - 285	1	3.844	3.684	176.8	0.785	7.712	35.343	0.218 ¹
T2	285 - 265	1	3.844	3.684	176.8	0.785	7.694	35.343	0.218 ¹
T3	265 - 245	1 1/8	3.844	3.631	154.9	0.994	12.431	44.731	0.278 ¹
T4	245 - 225	1 1/8	3.844	3.604	153.8	0.994	15.532	44.731	0.347 ¹
T5	225 - 205	.875	3.844	3.631	199.2	0.601	4.166	27.059	0.154 ¹
T6	205 - 185	.75	3.844	3.657	234.1	0.442	2.272	19.880	0.114 ¹
T7	185 - 165	.75	3.844	3.657	234.1	0.442	3.005	19.880	0.151 ¹
T8	165 - 145	.75	3.844	3.657	234.1	0.442	2.545	19.880	0.128 ¹
T9	145 - 125	.875	3.844	3.657	200.6	0.601	3.443	27.059	0.127 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	125 - 105	.875	3.844	3.657	200.6	0.601	4.940	27.059	0.183 ¹
T11	105 - 85	.875	3.844	3.657	200.6	0.601	5.063	27.059	0.187 ¹
T12	85 - 65	.75	3.844	3.657	234.1	0.442	2.030	19.880	0.102 ¹
T13	65 - 45	.75	3.844	3.631	232.4	0.442	2.182	19.880	0.110 ¹
T14	45 - 25	.75	3.844	3.631	232.4	0.442	1.850	19.880	0.093 ¹
T15	25 - 5	.875	3.844	3.631	199.2	0.601	3.914	27.059	0.145 ¹
T16	5 - 0	1	3.027	2.616	125.6	0.785	2.195	35.343	0.062 ¹

¹ P_u / φP_n controls

Horizontal Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	305 - 285	3/4	3.000	2.875	184.0	0.442	2.732	19.880	0.137 ¹
T2	285 - 265	3/4	3.000	2.875	184.0	0.442	2.976	19.880	0.150 ¹
T3	265 - 245	3/4	3.000	2.833	181.3	0.442	2.026	19.880	0.102 ¹
T4	245 - 225	3/4	3.000	2.813	180.0	0.442	2.415	19.880	0.121 ¹
T5	225 - 205	3/4	3.000	2.833	181.3	0.442	1.219	19.880	0.061 ¹
T6	205 - 185	3/4	3.000	2.854	182.7	0.442	0.955	19.880	0.048 ¹
T7	185 - 165	3/4	3.000	2.854	182.7	0.442	1.104	19.880	0.056 ¹
T8	165 - 145	3/4	3.000	2.854	182.7	0.442	0.991	19.880	0.050 ¹
T9	145 - 125	3/4	3.000	2.854	182.7	0.442	1.042	19.880	0.052 ¹
T10	125 - 105	3/4	3.000	2.854	182.7	0.442	1.202	19.880	0.060 ¹
T11	105 - 85	3/4	3.000	2.854	182.7	0.442	1.269	19.880	0.064 ¹
T12	85 - 65	3/4	3.000	2.854	182.7	0.442	1.326	19.880	0.067 ¹
T13	65 - 45	3/4	3.000	2.833	181.3	0.442	1.384	19.880	0.070 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T14	45 - 25	3/4	3.000	2.833	181.3	0.442	1.414	19.880	0.071 ¹
T15	25 - 5	3/4	3.000	2.833	181.3	0.442	1.414	19.880	0.071 ¹
T16	5 - 0	3/4	1.500	1.333	85.3	0.442	1.523	19.880	0.077 ¹

¹ P_u / φP_n controls

Top Girt Design Data (Tension)

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T1	305 - 285	3/4	3.000	2.875	184.0	0.442	0.095	19.880	0.005 ¹
T2	285 - 265	3/4	3.000	2.875	184.0	0.442	3.324	19.880	0.167 ¹
T3	265 - 245	3/4	3.000	2.833	181.3	0.442	2.732	19.880	0.137 ¹
T4	245 - 225	3/4	3.000	2.813	180.0	0.442	5.064	19.880	0.255 ¹
T5	225 - 205	3/4	3.000	2.833	181.3	0.442	1.943	19.880	0.098 ¹
T6	205 - 185	3/4	3.000	2.854	182.7	0.442	0.994	19.880	0.050 ¹
T7	185 - 165	3/4	3.000	2.854	182.7	0.442	1.040	19.880	0.052 ¹
T8	165 - 145	3/4	3.000	2.854	182.7	0.442	1.358	19.880	0.068 ¹
T9	145 - 125	3/4	3.000	2.854	182.7	0.442	0.509	19.880	0.026 ¹
T10	125 - 105	3/4	3.000	2.854	182.7	0.442	1.762	19.880	0.089 ¹
T11	105 - 85	3/4	3.000	2.854	182.7	0.442	2.224	19.880	0.112 ¹
T12	85 - 65	3/4	3.000	2.854	182.7	0.442	0.800	19.880	0.040 ¹
T13	65 - 45	3/4	3.000	2.833	181.3	0.442	1.010	19.880	0.051 ¹
T14	45 - 25	3/4	3.000	2.833	181.3	0.442	0.644	19.880	0.032 ¹
T15	25 - 5	3/4	3.000	2.833	181.3	0.442	1.159	19.880	0.058 ¹
T16	5 - 0	3/4	2.769	2.602	166.5	0.442	8.466	19.880	0.426 ¹

¹ P_u / φP_n controls

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Bottom Girt Design Data (Tension)

Section No.	Elevation ft	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
			ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	305 - 285	3/4	3.000	2.875	184.0	0.442	3.539	19.880	0.178 ¹
T2	285 - 265	3/4	3.000	2.875	184.0	0.442	2.352	19.880	0.118 ¹
T3	265 - 245	3/4	3.000	2.833	181.3	0.442	4.253	19.880	0.214 ¹
T4	245 - 225	3/4	3.000	2.813	180.0	0.442	2.088	19.880	0.105 ¹
T5	225 - 205	3/4	3.000	2.833	181.3	0.442	1.069	19.880	0.054 ¹
T6	205 - 185	3/4	3.000	2.854	182.7	0.442	0.871	19.880	0.044 ¹
T7	185 - 165	3/4	3.000	2.854	182.7	0.442	1.358	19.880	0.068 ¹
T8	165 - 145	3/4	3.000	2.854	182.7	0.442	0.378	19.880	0.019 ¹
T9	145 - 125	3/4	3.000	2.854	182.7	0.442	1.432	19.880	0.072 ¹
T10	125 - 105	3/4	3.000	2.854	182.7	0.442	2.172	19.880	0.109 ¹
T11	105 - 85	3/4	3.000	2.854	182.7	0.442	1.057	19.880	0.053 ¹
T12	85 - 65	3/4	3.000	2.854	182.7	0.442	0.755	19.880	0.038 ¹
T13	65 - 45	3/4	3.000	2.833	181.3	0.442	0.944	19.880	0.047 ¹
T14	45 - 25	3/4	3.000	2.833	181.3	0.442	1.109	19.880	0.056 ¹
T15	25 - 5	3/4	3.000	2.833	181.3	0.442	8.522	19.880	0.429 ¹
T16	5 - 0	3/4	0.231	0.065	4.1	0.442	4.019	19.880	0.202 ¹

¹ P_u / φP_n controls

Top Guy Pull-Off Design Data (Tension)

Section No.	Elevation ft	Size	L	L _u	Kl/r	A	P _u	φP _n	Ratio
			ft	ft		in ²	K	K	$\frac{P_u}{\phi P_n}$
T1	305 - 285	4x5/8	3.000	2.875	191.2	2.500	10.580	112.500	0.094 ¹
T4	245 - 225	4x5/8	3.000	2.813	187.1	2.500	13.667	112.500	0.121 ¹
T7	185 - 165	4x5/8	3.000	2.854	189.8	2.500	4.641	112.500	0.041 ¹

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Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T10	125 - 105	4x5/8	3.000	2.854	189.8	2.500	6.801	112.500	0.060 ¹ ✓
T13	65 - 45	4x5/8	3.000	2.833	188.4	2.500	3.651	112.500	0.032 ¹ ✓

¹ P_u / φP_n controls

Torque-Arm Top Design Data

Section No.	Elevation ft	Size	L ft	L _u ft	Kl/r	A in ²	P _u K	φP _n K	Ratio $\frac{P_u}{\phi P_n}$
T4	245 - 225 (849)	C12x20.7	3.000	2.906	43.6	4.568	5.698	222.666	0.026
T4	245 - 225 (850)	C12x20.7	3.000	2.906	43.6	4.568	6.662	222.666	0.030
T4	245 - 225 (856)	C12x20.7	3.000	2.906	43.6	4.568	6.264	222.666	0.028
T4	245 - 225 (857)	C12x20.7	3.000	2.906	43.6	4.568	6.069	222.666	0.027
T4	245 - 225 (860)	C12x20.7	3.000	2.906	43.6	4.568	5.427	222.666	0.024
T4	245 - 225 (861)	C12x20.7	3.000	2.906	43.6	4.568	7.008	222.666	0.031

Torque-Arm Top Bending Design Data

Section No.	Elevation ft	Size	M _{ux} kip-ft	φM _{ux} kip-ft	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	M _{uy} kip-ft	φM _{uy} kip-ft	Ratio $\frac{M_{uy}}{\phi M_{uy}}$
T4	245 - 225 (849)	C12x20.7	-38.661	94.819	0.408	-0.000	9.731	0.000
T4	245 - 225 (850)	C12x20.7	-33.931	94.819	0.358	-0.000	9.731	0.000
T4	245 - 225 (856)	C12x20.7	-36.421	94.819	0.384	0.000	9.731	0.000
T4	245 - 225 (857)	C12x20.7	-36.520	94.819	0.385	0.000	9.731	0.000
T4	245 - 225 (860)	C12x20.7	-38.179	94.819	0.403	0.000	9.731	0.000
T4	245 - 225 (861)	C12x20.7	-34.904	94.819	0.368	0.000	9.731	0.000

Torque-Arm Top Interaction Design Data

Section No.	Elevation ft	Size	Ratio $\frac{P_u}{\phi P_n}$	Ratio $\frac{M_{ux}}{\phi M_{ux}}$	Ratio $\frac{M_{uy}}{\phi M_{uy}}$	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
T4	245 - 225 (849)	C12x20.7	0.026	0.408	0.000	0.421	1.000	4.8.1 ✓
T4	245 - 225 (850)	C12x20.7	0.030	0.358	0.000	0.373	1.000	4.8.1 ✓
T4	245 - 225 (856)	C12x20.7	0.028	0.384	0.000	0.398	1.000	4.8.1 ✓
T4	245 - 225 (857)	C12x20.7	0.027	0.385	0.000	0.399	1.000	4.8.1 ✓

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Section No.	Elevation ft	Size	Ratio	Ratio	Ratio	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
			$\frac{P_u}{\phi P_n}$	$\frac{M_{ux}}{\phi M_{nx}}$	$\frac{M_{uy}}{\phi M_{ny}}$			
T4	245 - 225 (860)	C12x20.7	0.024	0.403	0.000	0.415	1.000	4.8.1 ✓
T4	245 - 225 (861)	C12x20.7	0.031	0.368	0.000	0.384	1.000	4.8.1 ✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T1	305 - 285	Leg	1 1/2	3	-29.478	51.596	57.1	Pass
T2	285 - 265	Leg	1 1/2	55	-29.691	51.596	57.5	Pass
T3	265 - 245	Leg	2	111	-82.680	110.838	74.6	Pass
T4	245 - 225	Leg	2 1/4	165	-101.694	147.629	68.9	Pass
T5	225 - 205	Leg	2	219	-70.355	110.838	63.5	Pass
T6	205 - 185	Leg	1 3/4	273	-55.125	78.769	70.0	Pass
T7	185 - 165	Leg	1 3/4	327	-63.716	78.769	80.9	Pass
T8	165 - 145	Leg	1 3/4	379	-57.206	78.769	72.6	Pass
T9	145 - 125	Leg	1 3/4	435	-60.184	78.769	76.4	Pass
T10	125 - 105	Leg	1 3/4	489	-66.804	78.769	84.8	Pass
T11	105 - 85	Leg	1 3/4	543	-73.258	78.769	93.0	Pass
T12	85 - 65	Leg	1 3/4	597	-76.553	78.769	97.2	Pass
T13	65 - 45	Leg	2	649	-79.885	110.838	72.1	Pass
T14	45 - 25	Leg	2	703	-81.651	110.838	73.7	Pass
T15	25 - 5	Leg	2	757	-81.609	110.838	73.6	Pass
T16	5 - 0	Leg	2	813	-84.311	114.489	73.6	Pass
T1	305 - 285	Diagonal	1	10	-7.834	11.580	67.6	Pass
T2	285 - 265	Diagonal	1	106	-7.819	11.580	67.5	Pass
T3	265 - 245	Diagonal	1 1/8	118	-12.787	18.934	67.5	Pass
T4	245 - 225	Diagonal	1 1/8	214	-15.875	19.174	82.8	Pass
T5	225 - 205	Diagonal	.875	268	-4.740	6.989	67.8	Pass
T6	205 - 185	Diagonal	.75	281	-2.586	3.718	69.6	Pass
T7	185 - 165	Diagonal	.75	352	-3.671	3.718	98.7	Pass
T8	165 - 145	Diagonal	.75	430	-3.065	3.718	82.4	Pass
T9	145 - 125	Diagonal	.875	442	-3.943	6.888	57.2	Pass
T10	125 - 105	Diagonal	.875	498	-5.822	6.888	84.5	Pass
T11	105 - 85	Diagonal	.875	594	-5.126	6.888	74.4	Pass
T12	85 - 65	Diagonal	.75	647	-2.392	3.718	64.3	Pass
T13	65 - 45	Diagonal	.75	682	-2.934	3.773	77.8	Pass
T14	45 - 25	Diagonal	.75	712	-2.955	3.773	78.3	Pass
T15	25 - 5	Diagonal	.875	766	-4.752	6.989	68.0	Pass
T16	5 - 0	Diagonal	1	822	-13.775	19.517	70.6	Pass
T1	305 - 285	Horizontal	3/4	44	-2.733	6.016	45.4	Pass
T2	285 - 265	Horizontal	3/4	103	-2.838	6.016	47.2	Pass
T3	265 - 245	Horizontal	3/4	121	-1.503	6.194	24.3	Pass
T4	245 - 225	Horizontal	3/4	211	-2.343	6.287	37.3	Pass
T5	225 - 205	Horizontal	3/4	230	-1.219	6.194	19.7	Pass
T6	205 - 185	Horizontal	3/4	285	-0.955	6.104	15.6	Pass
T7	185 - 165	Horizontal	3/4	338	-1.104	6.104	18.1	Pass
T8	165 - 145	Horizontal	3/4	391	-0.991	6.104	16.2	Pass
T9	145 - 125	Horizontal	3/4	447	-1.042	6.104	17.1	Pass
T10	125 - 105	Horizontal	3/4	500	-1.157	6.104	19.0	Pass
T11	105 - 85	Horizontal	3/4	560	-1.269	6.104	20.8	Pass
T12	85 - 65	Horizontal	3/4	609	-1.326	6.104	21.7	Pass
T13	65 - 45	Horizontal	3/4	667	-1.384	6.194	22.3	Pass
T14	45 - 25	Horizontal	3/4	717	-1.414	6.194	22.8	Pass
T15	25 - 5	Horizontal	3/4	769	-1.414	6.194	22.8	Pass

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Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
T16	5 - 0	Horizontal	3/4	825	-1.523	11.095	13.7	Pass
T1	305 - 285	Top Girt	3/4	5	-0.093	6.016	1.6	Pass
T2	285 - 265	Top Girt	3/4	58	-3.489	6.016	58.0	Pass
T3	265 - 245	Top Girt	3/4	113	-2.717	6.194	43.9	Pass
T4	245 - 225	Top Girt	3/4	167	-4.958	6.287	78.9	Pass
T5	225 - 205	Top Girt	3/4	220	-1.623	6.194	26.2	Pass
T6	205 - 185	Top Girt	3/4	274	-0.682	6.104	11.2	Pass
T7	185 - 165	Top Girt	3/4	329	-0.812	6.104	13.3	Pass
T8	165 - 145	Top Girt	3/4	382	-1.038	6.104	17.0	Pass
T9	145 - 125	Top Girt	3/4	437	-0.309	6.104	5.1	Pass
T10	125 - 105	Top Girt	3/4	490	-1.383	6.104	22.7	Pass
T11	105 - 85	Top Girt	3/4	546	-1.880	6.104	30.8	Pass
T12	85 - 65	Top Girt	3/4	599	-0.739	6.104	12.1	Pass
T13	65 - 45	Top Girt	3/4	652	-0.782	6.194	12.6	Pass
T14	45 - 25	Top Girt	3/4	707	-0.595	6.194	9.6	Pass
T15	25 - 5	Top Girt	3/4	760	-0.994	6.194	16.0	Pass
T16	5 - 0	Top Girt	3/4	814	8.466	19.880	42.6	Pass
T1	305 - 285	Bottom Girt	3/4	9	-3.265	6.016	54.3	Pass
T2	285 - 265	Bottom Girt	3/4	62	-2.222	6.016	36.9	Pass
T3	265 - 245	Bottom Girt	3/4	115	-3.715	6.194	60.0	Pass
T4	245 - 225	Bottom Girt	3/4	169	-1.963	6.287	31.2	Pass
T5	225 - 205	Bottom Girt	3/4	223	-1.034	6.194	16.7	Pass
T6	205 - 185	Bottom Girt	3/4	278	-0.794	6.104	13.0	Pass
T7	185 - 165	Bottom Girt	3/4	331	-1.333	6.104	21.8	Pass
T8	165 - 145	Bottom Girt	3/4	385	-0.187	6.104	3.1	Pass
T9	145 - 125	Bottom Girt	3/4	439	-1.470	6.104	24.1	Pass
T10	125 - 105	Bottom Girt	3/4	493	-2.185	6.104	35.8	Pass
T11	105 - 85	Bottom Girt	3/4	549	-0.829	6.104	13.6	Pass
T12	85 - 65	Bottom Girt	3/4	601	-0.584	6.104	9.6	Pass
T13	65 - 45	Bottom Girt	3/4	656	-0.508	6.194	8.2	Pass
T14	45 - 25	Bottom Girt	3/4	709	-0.734	6.194	11.9	Pass
T15	25 - 5	Bottom Girt	3/4	763	8.522	19.880	42.9	Pass
T16	5 - 0	Bottom Girt	3/4	819	4.019	19.880	20.2	Pass
T1	305 - 285	Guy A@290.193	3/4 EModulus	867	32.654	34.980	93.4	Pass
T4	245 - 225	Guy A@242.211	9/16 EModulus	859	18.844	21.000	89.7	Pass
T7	185 - 165	Guy A@175	7/16 EModulus	846	10.836	12.480	86.8	Pass
T10	125 - 105	Guy A@115	1/2 EModulus	840	14.182	16.140	87.9	Pass
T13	65 - 45	Guy A@55	3/8 EModulus	834	6.648	9.240	71.9	Pass
T1	305 - 285	Guy B@290.193	3/4 EModulus	866	32.770	34.980	93.7	Pass
T4	245 - 225	Guy B@242.211	9/16 EModulus	854	19.713	21.000	93.9	Pass
T7	185 - 165	Guy B@175	7/16 EModulus	845	11.433	12.480	91.6	Pass
T10	125 - 105	Guy B@115	1/2 EModulus	839	14.499	16.140	89.8	Pass
T13	65 - 45	Guy B@55	3/8 EModulus	833	6.715	9.240	72.7	Pass
T1	305 - 285	Guy C@290.193	3/4 EModulus	862	33.047	34.980	94.5	Pass
T4	245 - 225	Guy C@242.211	9/16 EModulus	848	19.584	21.000	93.3	Pass
T7	185 - 165	Guy C@175	7/16 EModulus	841	11.429	12.480	91.6	Pass
T10	125 - 105	Guy C@115	1/2 EModulus	835	14.498	16.140	89.8	Pass
T13	65 - 45	Guy C@55	3/8 EModulus	829	6.717	9.240	72.7	Pass
T1	305 - 285	Top Guy	4x5/8	863	10.580	112.500	9.4	Pass
T4	245 - 225	Pull-Off@290.193						
T4	245 - 225	Top Guy	4x5/8	851	-13.258	25.219	52.6	Pass
T7	185 - 165	Pull-Off@242.211						
T7	185 - 165	Top Guy	4x5/8	844	4.641	112.500	4.1	Pass
T10	125 - 105	Pull-Off@175						
T10	125 - 105	Top Guy	4x5/8	838	6.801	112.500	6.0	Pass
T13	65 - 45	Pull-Off@115						
T13	65 - 45	Top Guy	4x5/8	832	3.651	112.500	3.2	Pass
T4	245 - 225	Pull-Off@55						
T4	245 - 225	Torque Arm	C12x20.7	857	-7.120	238.414	46.4	Pass
T4	245 - 225	Top@242.211						

Summary

tnxTower B+T Group 1717 S. Boulder Ave, Ste 300 Tulsa, OK 74119 Phone: (918) 587-4630 FAX: (918) 295-0265	Job ATS #8600 - Dry Fork	Page 52 of 52
	Project 305' 36GT - 36.992869, -85.688069	Date 16:19:39 09/29/20
	Client Uniti	Designed by JLandon

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail
						Leg (T12)	97.2	Pass
						Diagonal (T7)	98.7	Pass
						Horizontal (T2)	47.2	Pass
						Top Girt (T4)	78.9	Pass
						Bottom Girt (T3)	60.0	Pass
						Guy A (T1)	93.4	Pass
						Guy B (T4)	93.9	Pass
						Guy C (T1)	94.5	Pass
						Top Guy Pull-Off (T4)	52.6	Pass
						Torque Arm Top (T4)	46.4	Pass
						Bolt Checks	55.9	Pass
						RATING =	98.7	Pass

EXHIBIT D
COMPETING UTILITIES, CORPORATIONS, OR PERSONS LIST

KY Public Service Commission

Master Utility Search

- Search for the utility of interest by using any single or combination of criteria.
- Enter Partial names to return the closest match for Utility Name and Address/City/Contact entries.

Utility ID Utility Name Address/City/Contact Utility Type Status

▼ Active ▼

	Utility ID	Utility Name	Utility Type	Class	City	State
View	4111300	2600Hz, Inc. dba ZSWITCH	Cellular	D	San Francisco	CA
View	4108300	Air Voice Wireless, LLC	Cellular	B	Bloomfield Hill	MI
View	4110650	Alliant Technologies of KY, L.L.C.	Cellular	D	Morristown	NJ
View	4111900	ALLNETAIR, INC.	Cellular	C	West Palm Beach	FL
View	44451184	Alltel Corporation d/b/a Verizon Wireless	Cellular	A	Lisle	IL
View	4110850	AltaWorx, LLC	Cellular	D	Fairhope	AL
View	4107800	American Broadband and Telecommunications Company	Cellular	D	Toledo	OH
View	4108650	AmeriMex Communications Corp.	Cellular	D	Dunedin	FL
View	4105100	AmeriVision Communications, Inc. d/b/a Affinity 4	Cellular	D	Virginia Beach	VA
View	4110700	Andrew David Balholm dba Norcell	Cellular	D	Buford	GA
View	4105700	Assurance Wireless USA, L.P.	Cellular	A	Atlanta	GA
View	4108600	BCN Telecom, Inc.	Cellular	D	Morristown	NJ
View	4106000	Best Buy Health, Inc. d/b/a GreatCall d/b/a Jitterbug	Cellular	A	San Diego	CA
View	4110550	Blue Casa Mobile, LLC	Cellular	D	Santa Barbara	CA
View	4111050	BlueBird Communications, LLC	Cellular	D	New York	NY
View	4202300	Bluegrass Wireless, LLC	Cellular	A	Elizabethtown	KY

View	4107600	Boomerang Wireless, LLC	Cellular	D	Hiawatha	IA
View	4105500	BullsEye Telecom, Inc.	Cellular	D	Southfield	MI
View	4100700	Cellco Partnership dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4106600	Cintex Wireless, LLC	Cellular	D	Rockville	MD
View	4111150	Comcast OTR1, LLC	Cellular	C	Phoeniexville	PA
View	4101900	Consumer Cellular, Incorporated	Cellular	A	Portland	OR
View	4106400	Credo Mobile, Inc.	Cellular	A	San Francisco	CA
View	4108850	Cricket Wireless, LLC	Cellular	A	San Antonio	TX
View	4111500	CSC Wireless, LLC d/b/a Altice Wireless	Cellular	D	Long Island City	NY
View	10640	Cumberland Cellular Partnership	Cellular	A	Elizabethtown	KY
View	4111650	DataBytes, Inc.	Cellular	D	Rogers	AR
View	4112000	DISH Wireless L.L.C.	Cellular	C	Englewood	CO
View	4111200	Dynalink Communications, Inc.	Cellular	C	Brooklyn	NY
View	4111800	Earthlink, LLC	Cellular	C	Atlanta	GA
View	4101000	East Kentucky Network, LLC dba Appalachian Wireless	Cellular	A	Ivel	KY
View	4002300	Easy Telephone Service Company dba Easy Wireless	Cellular	D	Ocala	FL
View	4109500	Enhanced Communications Group, LLC	Cellular	D	Bartlesville	OK
View	4110450	Excellus Communications, LLC	Cellular	D	Chattanooga	TN
View	4105900	Flash Wireless, LLC	Cellular	C	Concord	NC
View	4104800	France Telecom Corporate Solutions L.L.C.	Cellular	D	Oak Hill	VA
View	4111750	Gabb Wireless, Inc.	Cellular	D	Provo	UT
View	4109350	Global Connection Inc. of America	Cellular	D	Norcross	GA
View	4102200	Globalstar USA, LLC	Cellular	B	Covington	LA
View	4112050	GLOTELL US, Corp.	Cellular	C	Hallandale	FL
View	4109600	Google North America Inc.	Cellular	A	Mountain View	CA
View	33350363	Granite Telecommunications, LLC	Cellular	D	Quincy	MA
View	10630	GTE Wireless of the Midwest dba Verizon Wireless	Cellular	A	Basking Ridge	NJ
View	4111350	HELLO MOBILE TELECOM LLC	Cellular	D	Dania Beach	FL
View	4103100	i-Wireless, LLC	Cellular	B	Newport	KY
View	4109800	IM Telecom, LLC d/b/a Infiniti Mobile	Cellular	D	Dallas	TX
View	4111950	J Rhodes Enterprises LLC	Cellular	C	Gulf Breeze	FL
View	22215360	KDDI America, Inc.	Cellular	D	Staten Island	NY
View	10872	Kentucky RSA #1 Partnership	Cellular	A	Basking Ridge	NJ
View	10680	Kentucky RSA #3 Cellular General	Cellular	A	Elizabethtown	KY

View	10681	Kentucky RSA #4 Cellular General	Cellular	A	Elizabethtown	KY
View	4109550	Kynect Communications, LLC	Cellular	D	Dallas	TX
View	4111250	Liberty Mobile Wireless, LLC	Cellular	D	Sunny Isles Beach	FL
View	4111400	Locus Telecommunications, LLC	Cellular	A	Fort Lee	NJ
View	4107300	Lycamobile USA, Inc.	Cellular	D	Newark	NJ
View	4108800	MetroPCS Michigan, LLC	Cellular	A	Bellevue	WA
View	4111700	Mint Mobile, LLC	Cellular	D	Costa Mesa	CA
View	4109650	Mitel Cloud Services, Inc.	Cellular	D	Mesa	AZ
View	4111850	Mobi, Inc.	Cellular	C	Honolulu	HI
View	4202400	New Cingular Wireless PCS, LLC dba AT&T Mobility, PCS	Cellular	A	San Antonio	TX
View	4000800	Nextel West Corporation	Cellular	D	Overland Park	KS
View	4001300	NPCR, Inc. dba Nextel Partners	Cellular	D	Overland Park	KS
View	4001800	OnStar, LLC	Cellular	A	Detroit	MI
View	4110750	Onvoy Spectrum, LLC	Cellular	D	Chicago	IL
View	4109050	Patriot Mobile LLC	Cellular	D	Irving	TX
View	4110250	Plintron Technologies USA LLC	Cellular	D	Bellevue	WA
View	33351182	PNG Telecommunications, Inc. dba PowerNet Global Communications	Cellular	D	Cincinnati	OH
View	4107700	Puretalk Holdings, LLC	Cellular	A	Covington	GA
View	4106700	Q Link Wireless, LLC	Cellular	A	Dania	FL
View	4108700	Ready Wireless, LLC	Cellular	C	Hiawatha	IA
View	4110500	Republic Wireless, Inc.	Cellular	A	Raleigh	NC
View	4106200	Rural Cellular Corporation	Cellular	A	Basking Ridge	NJ
View	4108550	Sage Telecom Communications, LLC dba TruConnect	Cellular	D	Los Angeles	CA
View	4109150	SelecTel, Inc. d/b/a SelecTel Wireless	Cellular	D	Fremont	NE
View	4110150	Spectrotel, Inc. d/b/a Touch Base Communications	Cellular	D	Neptune	NJ
View	4111450	Spectrum Mobile, LLC	Cellular	A	St. Louis	MO
View	4200100	Sprint Spectrum, L.P.	Cellular	A	Atlanta	GA
View	4200500	SprintCom, Inc.	Cellular	A	Atlanta	GA
View	4111600	STX Group LLC dba Twigby	Cellular	D	Murfreesboro	TN
View	4110200	T C Telephone LLC d/b/a Horizon Cellular	Cellular	D	Red Bluff	CA
View	4202200	T-Mobile Central, LLC dba T-Mobile	Cellular	A	Bellevue	WA
View	4002500	TAG Mobile, LLC	Cellular	D	Plano	TX
View	4109700	Telecom Management, Inc. dba Pioneer Telephone	Cellular	D	Portland	ME
View	4107200	Telefonica USA, Inc.	Cellular	D	Miami	FL

View	4108900	Telrite Corporation	Cellular	D	Covington	GA
View	4108450	Tempo Telecom, LLC	Cellular	B	Atlanta	GA
View	4109000	Ting, Inc.	Cellular	A	Toronto	ON
View	4110400	Torch Wireless Corp.	Cellular	D	Jacksonville	FL
View	4103300	Touchtone Communications, Inc.	Cellular	D	Whippany	NJ
View	4104200	TracFone Wireless, Inc.	Cellular	D	Miami	FL
View	4002000	Truphone, Inc.	Cellular	D	Durham	NC
View	4110300	UVNV, Inc. d/b/a Mint Mobile	Cellular	D	Costa Mesa	CA
View	4110800	Visible Service LLC	Cellular	D	Basking Ridge	NJ
View	4106500	WiMacTel, Inc.	Cellular	D	Palo Alto	CA
View	4110950	Wing Tel Inc.	Cellular	D	New York	NY

EXHIBIT E
FAA



Mail Processing Center
 Federal Aviation Administration
 Southwest Regional Office
 Obstruction Evaluation Group
 10101 Hillwood Parkway
 Fort Worth, TX 76177

Aeronautical Study No.
 2020-ASO-9295-OE

Issued Date: 04/17/2020

Kristy Hurst
 B+T Group Holdings, Inc.
 1717 S. Boulder Ave.
 Suite 300
 Tulsa, OK 74119

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure: Antenna Tower KYBGN2022 (Dry Fork Rd)
 Location: Edmonton, KY
 Latitude: 36-59-34.33N NAD 83
 Longitude: 85-41-17.05W
 Heights: 902 feet site elevation (SE)
 317 feet above ground level (AGL)
 1219 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

As a condition to this Determination, the structure is to be marked/lighted in accordance with FAA Advisory circular 70/7460-1 L Change 2, Obstruction Marking and Lighting, a med-dual system - Chapters 4,8(M-Dual),&12.

Any failure or malfunction that lasts more than thirty (30) minutes and affects a top light or flashing obstruction light, regardless of its position, should be reported immediately to (877) 487-6867 so a Notice to Airmen (NOTAM) can be issued. As soon as the normal operation is restored, notify the same number.

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

- At least 10 days prior to start of construction (7460-2, Part 1)
- Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

This determination expires on 10/17/2021 unless:

- (a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
- (b) extended, revised, or terminated by the issuing office.

- (c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA. This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

A copy of this determination will be forwarded to the Federal Communications Commission (FCC) because the structure is subject to their licensing authority.

If we can be of further assistance, please contact our office at (718) 553-2611, or angelique.eersteling@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-ASO-9295-OE.

Signature Control No: 435207236-436838630
Angelique Eersteling
Technician

(DNE)

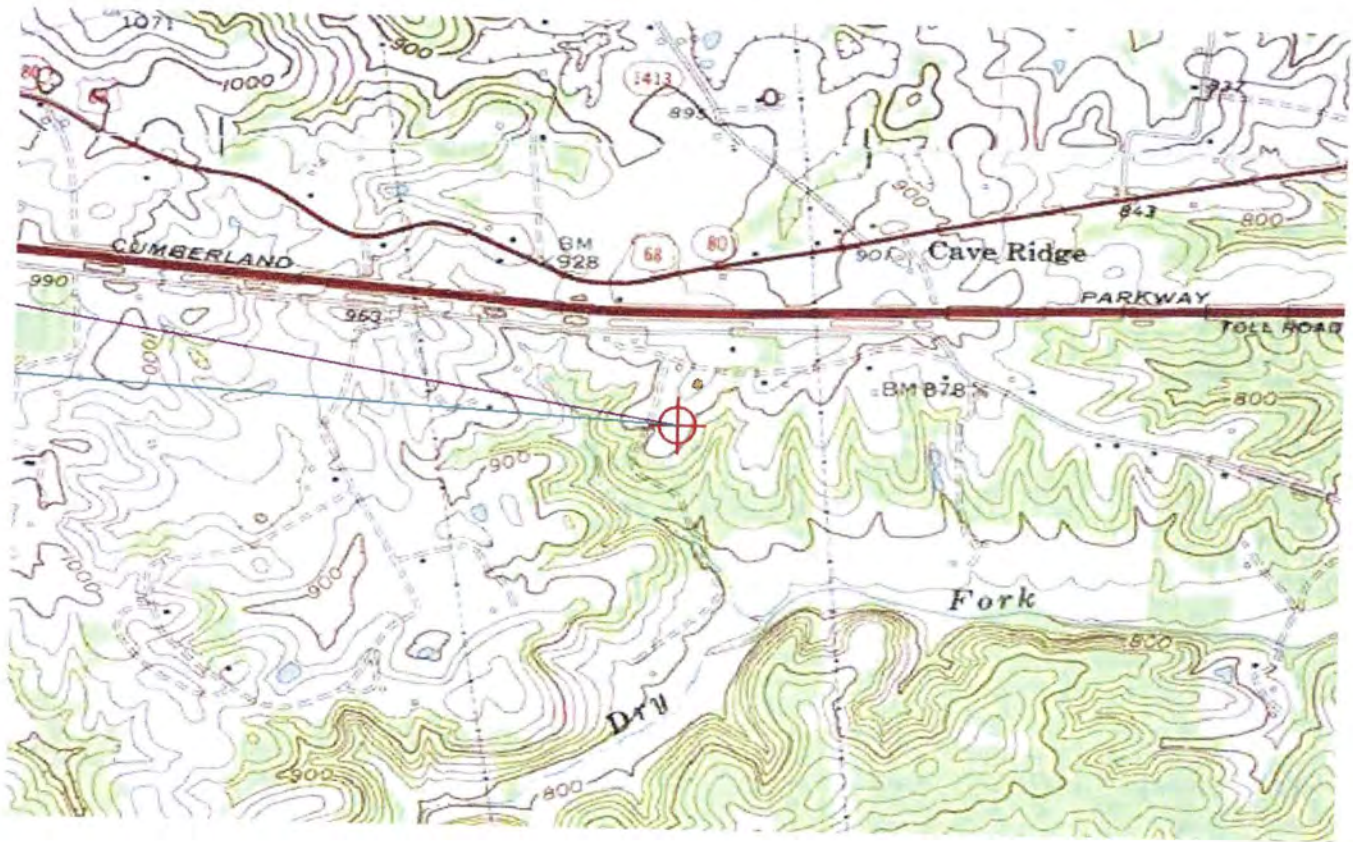
Attachment(s)
Frequency Data
Map(s)

cc: FCC

Frequency Data for ASN 2020-ASO-9295-OE

LOW FREQUENCY	HIGH FREQUENCY	FREQUENCY UNIT	ERP	ERP UNIT
6	7	GHz	55	dBW
6	7	GHz	42	dBW
10	11.7	GHz	55	dBW
10	11.7	GHz	42	dBW
17.7	19.7	GHz	55	dBW
17.7	19.7	GHz	42	dBW
21.2	23.6	GHz	55	dBW
21.2	23.6	GHz	42	dBW
614	698	MHz	1000	W
614	698	MHz	2000	W
698	806	MHz	1000	W
806	901	MHz	500	W
806	824	MHz	500	W
824	849	MHz	500	W
851	866	MHz	500	W
869	894	MHz	500	W
896	901	MHz	500	W
901	902	MHz	7	W
929	932	MHz	3500	W
930	931	MHz	3500	W
931	932	MHz	3500	W
932	932.5	MHz	17	dBW
935	940	MHz	1000	W
940	941	MHz	3500	W
1670	1675	MHz	500	W
1710	1755	MHz	500	W
1850	1910	MHz	1640	W
1850	1990	MHz	1640	W
1930	1990	MHz	1640	W
1990	2025	MHz	500	W
2110	2200	MHz	500	W
2305	2360	MHz	2000	W
2305	2310	MHz	2000	W
2345	2360	MHz	2000	W
2496	2690	MHz	500	W

Verified Map for ASN 2020-ASO-9295-OE



TOPO Map for ASN 2020-ASO-9295-OE

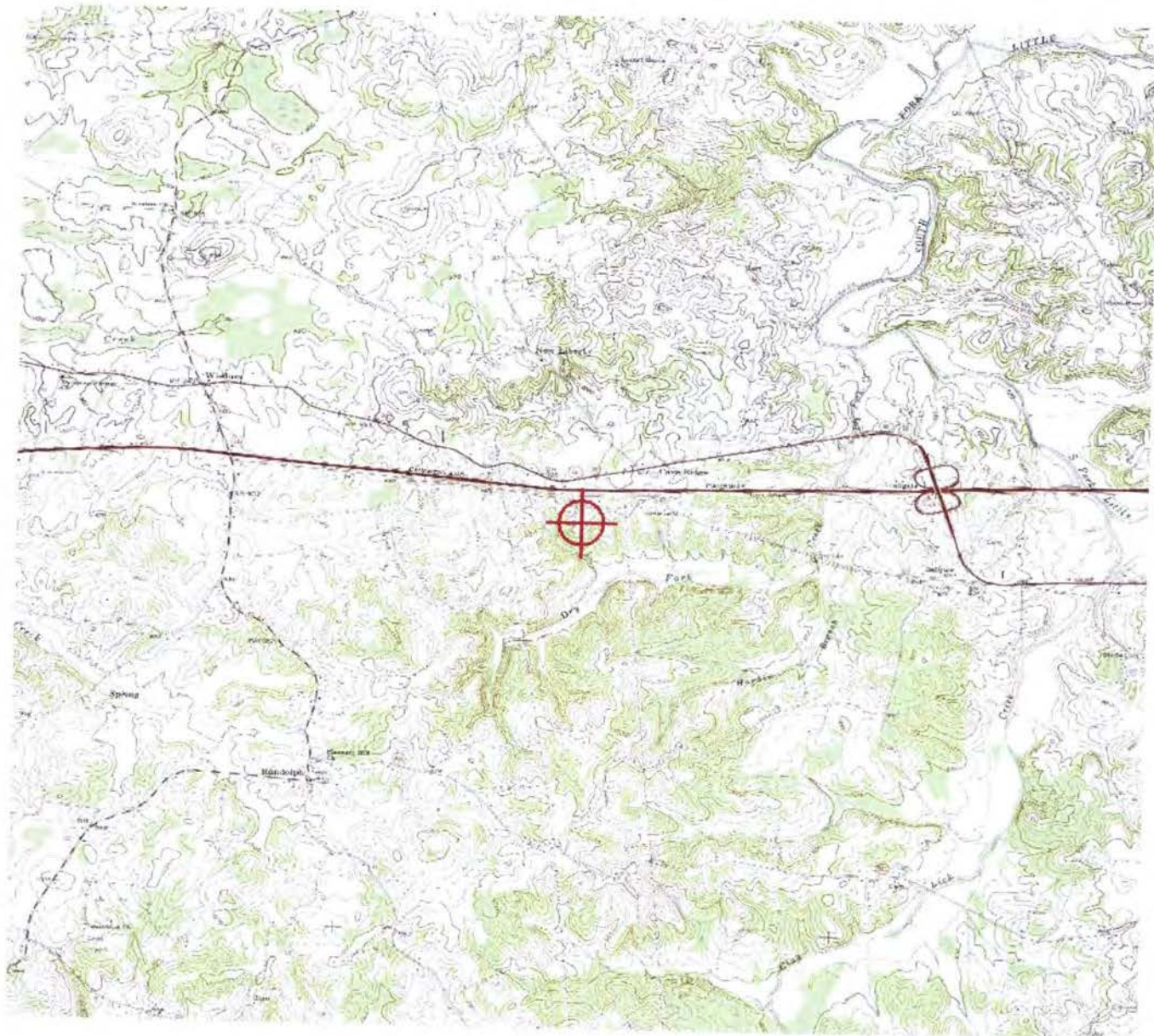


EXHIBIT F
KENTUCKY AIRPORT ZONING COMMISSION



ANDY BESHEAR
Governor

KENTUCKY AIRPORT ZONING COMMISSION
Office of Audits, 200 Mero Street, 4th floor
Frankfort, KY 40622
www.transportation.ky.gov
502-782-4043

APPROVAL OF APPLICATION

August 13, 2020

APPLICANT

Uniti Towers
B&T Group - Patricia Parr
10802 Executive Center Dr. Ste 300
Little Rock, AR 72211

SUBJECT: AS-METCALFE-GLW-2020-101

STRUCTURE: Antenna Tower
LOCATION: Edmonton, KY
COORDINATES: 36° 59' 34.33" N / 85° 41' 17.05" W
HEIGHT: 317' AGL/1219' AMSL

The Kentucky Airport Zoning Commission has approved your application for a permit to construct 317' AGL/1219' AMSL Antenna Tower near Edmonton, KY 36° 59' 34.33" N / 85° 41' 17.05" W.

This permit is valid for a period of 18 Month(s) from its date of issuance. If construction is not completed within said 18-Month period, this permit shall lapse and be void, and no work shall be performed without the issuance of a new permit.

Dual- Red & Medium Intensity White Obstruction Lighting Required

Randall S. Royer

Randall S. Royer, Executive Director
Office of Audits
Acting Administrator
Randall.Royer@ky.gov
Jason.Salazar-Munoz@ky.gov



An Equal Opportunity Employer M/F/D

EXHIBIT G
GEOTECHNICAL REPORT



GEOTECHNICAL DESKTOP REVIEW

September 18, 2020

Prepared For:

B+T Group



**Dry Fork Road
KYBGN2022**

Proposed Guyed Tower

Dry Fork Road, Edmonton (Metcalfe County), Kentucky 42129
Latitude N 36° 59' 34.3" Longitude W 85° 41' 17.1"

Delta Oaks Group Project GEO20-07033-19
Revision 0

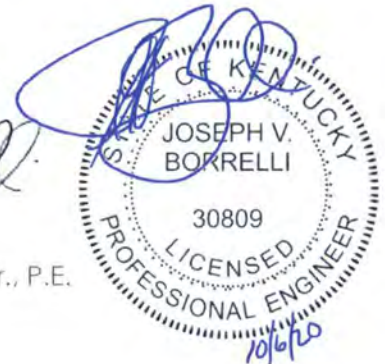
geotech@deltaoaksgroup.com

Performed By:

Erin Benson, E.I.

Reviewed By:

Joseph V. Borrelli, Jr., P.E.





INTRODUCTION

This initial geotechnical desktop review has been completed for the proposed guyed tower located at Dry Fork Road in Edmonton (Metcalf County), Kentucky. The purpose of this review was to provide initial subsurface condition information in the general location of the proposed tower. A site-specific subsurface investigation could not be performed at the time of this report due to the presence of protected bat trees in the area. It would not be possible to access the site without disturbing the area. **The information in this report can be used for initial design considerations only. A final design should not be completed, nor should construction commence without a site-specific subsurface investigation at the proposed tower location.**

SITE CONDITION SUMMARY

The proposed tower and compound are located in a grassy field with dense vegetation to the east, exhibiting a generally flat topography across the tower compound and subject property.

REFERENCES

- USDA Natural Resources Conservation Service Web Soil Survey Online Tool
- TIA Standard (TIA-222-G), dated August 2005

GENERAL SUBSURFACE CONDITION SUMMARY

The following provides a general overview of the subsurface conditions based on the data available to Delta Oaks Group from the USDA Websoil Survey.

FILL

Based on data from the USDA Web Soil Survey, fill material is not common in this area.

SOIL

Based on data from the USDA Web Soil Survey, the residual soil typically found in this area consists of gravelly silty clay loam. The Parent material consists of clayey residuum weathered from cherty limestone.

ROCK

Based on data from the USDA Web Soil Survey, rock should not be expected depths less than 80 inches (6.7 feet) bgs.

SUBSURFACE WATER

Based on data from the USDA Web Soil Survey, subsurface water should not be expected at depths less than 5.0 feet bgs. However, subsurface water elevations can fluctuate throughout the year due to variations in climate, hydraulic parameters, nearby construction activity and other factors.

FROST PENETRATION

The frost penetration depth for Metcalfe County, Kentucky is 20 inches (1.7 feet).



INITIAL FOUNDATION DESIGN SUMMARY

In consideration of the data from the USDA Web Soil Survey, the "Clay" parameters shown below from TIA-222-H Annex F can be utilized for initial design considerations. Based on the frost depth in the area, shallow foundations should bear at a minimum depth of 3.0 feet bgs. Additionally, for drilled shafts or other deep foundation elements, skin friction should be ignored to a minimum depth of 3.0 feet bgs to account for the frost penetration and the potential disturbance during construction.

ANNEX F: PRESUMPTIVE SOIL PARAMETERS (Normative)

This Annex provides presumptive soil parameters to be used in the absence of a geotechnical report. Clay soils are assumed to be non-expansive with a plasticity index less than 24. The presumptive soil parameters in this annex assume dry conditions (non-buoyant) with a soil electrical resistivity greater than 150 ohm-m and a soil pH value between 3 and 9 (Refer to 5.6.6). When the site location is unknown, the frost depth shall be equal to 3.5 ft. [1.1 m]. Presumptive soil parameters and assumptions shall be validated for a specific site prior to installation.

Table F-1: Presumptive Soil Parameters:

Soil Type	N (blows/ ft) [blows /m]	ϕ (deg)	γ (lb/ft ³) [kN/m ³]	c (psf) [kPa]	Ultimate Bearing (psf) [kPa]		S_f (psf) [kPa]	k (pci) [kN/m ³]	ϵ_{50}
					Shallow Fnds.	Deep Fnds.			
Clay	8 [26]	0	110 [17]	1000 [48]	5000 [240]	9000 [431]	500 [24]	150 [41,000]	.01
Sand	10 [33]	30	110 [17]	0	3000 [144]	7000 [335]	500 [24]	35 [9,500]	N/A

where:

N = standard penetration value

ϕ = angle of internal friction

γ = effective unit weight of soil

c = cohesion

S_f = ultimate skin friction

k = lateral modulus of soil reaction

ϵ_{50} = strain at 50% of ultimate compression

Shallow Foundations – isolated foundations such as pier and pads and mats

Deep Foundations – drilled piers, piles, and drill and bell foundations

Note: Actual soil design parameters based on a geotechnical report with similar standard penetration values may vary from the tabulated values.



SITE LOCATION



EXHIBIT H
DIRECTIONS TO WCF SITE

Driving Directions to Proposed Tower Site

1. Beginning at the Metcalfe County Judge Executive's Office, located at 201 North Main Street, Edmonton, KY 42129, head south (toward East Street) on North Main Street and travel approximately 279 feet.
2. Turn right at the second cross street onto West Stockton Street and travel approximately 2.5 miles.
3. Turn left onto Old Glasgow Road / Old US 68 Road and travel approximately 2.0 miles.
4. Turn left onto Dry Fork Road and travel approximately 0.2 miles.
5. The site is located on the left at 175 Dry Fork Road, Edmonton, KY 42129.
6. The site coordinates are:
 - a. North 36 deg 59 min 34.33 sec
 - b. West 85 deg 41 min 17.05 sec



Prepared by:
Chris Shouse
Pike Legal Group
1578 Highway 44 East, Suite 6
P.O. Box 396
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293

EXHIBIT I
COPY OF REAL ESTATE AGREEMENT

OPTION AND LEASE AGREEMENT

THIS OPTION AND LEASE AGREEMENT ("**Agreement**"), dated as of the latter of the signature dates below (the "**Effective Date**"), is entered into by Lynn Avery Blankenship, a married person, having a mailing address of 132 Sugartree Lane, Glasgow, KY 42141, ("**Landlord**") and Uniti Towers LLC, a Delaware limited liability company having a mailing address of 10802 Executive Center Drive, Benton Building, Suite 300, Little Rock AR 72211 ("**Tenant**").

BACKGROUND

Landlord owns or controls that certain plot, parcel or tract of land, as described on **Exhibit 1**, together with all rights and privileges arising in connection therewith, located at 175 Dry Fork Road, in the City/Town of Edmonton, County of Metcalfe, State of Kentucky (collectively, the "**Property**"). Landlord desires to grant to Tenant the right to use a portion of the Property in accordance with this Agreement.

The parties agree as follows:

1. OPTION TO LEASE.

(a) Landlord grants to Tenant an exclusive option (the "**Option**") to lease a certain portion of the Property containing approximately 10,000 square feet including the air space above such ground space, as described on attached **Exhibit 1**, (the "**Premises**"), for the placement of a Communication Facility.

(b) During the Option Term, and during the Term, Tenant and its agents, engineers, surveyors and other representatives will have the right to enter upon the Property to inspect, examine, conduct soil borings, drainage testing, material sampling, radio frequency testing and other geological or engineering tests or studies of the Property (collectively, the "**Tests**"), to apply for and obtain licenses, permits, approvals, or other relief required of or deemed necessary or appropriate at Tenant's sole discretion for its use of the Premises and include, without limitation, applications for zoning variances, zoning ordinances, amendments, special use permits, and construction permits (collectively, the "**Government Approvals**"), initiate the ordering and/or scheduling of necessary utilities, and otherwise to do those things on or off the Property that, in the opinion of Tenant, are necessary in Tenant's sole discretion to determine the physical condition of the Property, the environmental history of the Property, Landlord's title to the Property and the feasibility or suitability of the Property for Tenant's Permitted Use, all at Tenant's expense. Tenant will not be liable to Landlord or any third party on account of any pre-existing defect or condition on or with respect to the Property, whether or not such defect or condition is disclosed by Tenant's inspection. Tenant will restore the Property to its condition as it existed at the commencement of the Option Term, reasonable wear and tear and loss by casualty or other causes beyond Tenant's control excepted.

(c) In consideration of Landlord granting Tenant the Option, Tenant agrees to pay Landlord the sum of [REDACTED] within thirty (30) business days after the Effective Date. The Option may be exercised during an initial term of one (1) year commencing on the Effective Date (the "**Initial Option Term**") which term may be renewed by Tenant for an additional one (1) year (the "**Renewal Option Term**") upon written notification to Landlord and the payment of an additional [REDACTED] no later than five (5) days prior to the expiration date of the Initial Option Term. The Initial Option Term and any Renewal Option Term are collectively referred to as the "**Option Term**."

(d) The Option may be sold, assigned or transferred at any time by Tenant without the written consent of Landlord. Upon notification to Landlord of such sale, assignment, or transfer, Tenant shall immediately be released from any and all liability under this Agreement, including the payment of any rental or other sums due, without any further action.

(e) During the Option Term, Tenant may exercise the Option by notifying Landlord in writing. If Tenant exercises the Option, then Landlord leases the Premises to Tenant subject to the terms and conditions of this Agreement. If Tenant does not exercise the Option during the Initial Option Term or any extension thereof, this Agreement will terminate, and the parties will have no further liability to each other.

(f) If during the Option Term, or during the Term if the Option is exercised, Landlord decides to subdivide, sell, or change the status of the zoning of the Premises, Property or any of Landlord's contiguous, adjoining or surrounding property (the "**Surrounding Property**,") or in the event of a threatened foreclosure, Landlord shall immediately notify Tenant in writing. Landlord agrees that during the Option Term, or during the Term if the Option is exercised, Landlord shall not initiate or consent to any change in the zoning of the Premises, Property or Surrounding Property or impose or consent to any other use or restriction that would prevent or limit Tenant from using the Premises for the Permitted Use. Any and all terms and conditions of this Agreement that by their sense and context are intended to be applicable during the Option Term shall be so applicable.

2. **PERMITTED USE.** Tenant may use the Premises for the transmission and reception of communications signals and the installation, construction, maintenance, operation, repair, replacement and upgrade of communications fixtures and related equipment, cables, accessories and improvements, which may include a suitable support structure ("**Structure**"), associated antennas, equipment shelters or cabinets and fencing and any other items necessary to the successful and secure use of the Premises (collectively, the "**Communication Facility**"), as well as the right to test, survey and review title on the Property; Tenant further has the right but not the obligation to add, modify and/or replace equipment in order to be in compliance with any current or future federal, state or local mandated application, including, but not limited to, emergency 911 communication services, at no additional cost to Tenant or Landlord (collectively, the "**Permitted Use**"). Landlord and Tenant agree that any portion of the Communication Facility that may be conceptually described on **Exhibit 1** will not be deemed to limit Tenant's Permitted Use. If **Exhibit 1** includes drawings of the initial installation of the Communication Facility, Landlord's execution of this Agreement will signify Landlord's approval of **Exhibit 1**. For a period of ninety (90) days following the start of construction, Landlord grants Tenant, its subtenants, licensees and sublicensees, the right to use such portions of the **Surrounding Property** as may reasonably be required during construction and installation of the Communication Facility. Tenant has the right to install and operate transmission cables from the equipment shelter or cabinet to the antennas, electric lines from the main feed to the equipment shelter or cabinet and communication lines from the Property's main entry point to the equipment shelter or cabinet, install a generator and to make other improvements, alterations, upgrades or additions appropriate for Tenant's Permitted Use including the right to construct a fence around the Premises or equipment, install warning signs to make individuals aware of risks, install protective barriers, install any other control measures reasonably required by Tenant's safety procedures or applicable law, and undertake any other appropriate means to secure the Premises or equipment at Tenant's expense. Tenant has the right to modify, supplement, replace, upgrade, expand the Communication Facility (including, for example, increasing the number of antennas or adding microwave dishes) or relocate the Communication Facility within the Premises at any time during the Term. Tenant will be allowed to make such alterations to the Property in order to ensure that the Communication Facility complies with all applicable federal, state or local laws, rules or regulations. In the event Tenant desires to modify or upgrade the Communication Facility, in a manner that requires an additional portion of the Property (the "**Additional Premises**") for such modification or upgrade, Landlord agrees to lease to Tenant the Additional Premises, upon the same terms and conditions set forth herein, except that the Rent shall increase, in conjunction with the lease of the Additional Premises by the amount equivalent to the then-current per square foot rental rate charged by Landlord to Tenant times the square footage of the Additional Premises. Landlord agrees to take such actions and enter into and deliver to Tenant such documents as Tenant reasonably requests in order to effect and memorialize the lease of the Additional Premises to Tenant.

3. **TERM.**

(a) The initial lease term will be five (5) years (the "**Initial Term**"), commencing on the effective date of written notification by Tenant to Landlord of Tenant's exercise of the Option (the "**Term Commencement Date**"). The Initial Term will terminate on the fifth (5th) anniversary of the Term Commencement Date.

(b) This Agreement will automatically renew for seventeen (17) additional five (5) year term(s) (each additional five (5) year term shall be defined as an "**Extension Term**"), upon the same terms and

conditions set forth herein unless Tenant notifies Landlord in writing of Tenant's intention not to renew this Agreement at least sixty (60) days prior to the expiration of the Initial Term or then-existing Extension Term.

(c) Unless (i) Landlord or Tenant notifies the other in writing of its intention to terminate this Agreement at least six (6) months prior to the expiration of the final Extension Term, or (ii) the Agreement is terminated as otherwise permitted by this Agreement prior to the end of the final Extension Term, this Agreement shall continue in force upon the same covenants, terms and conditions for a further term of one (1) year, and for annual terms thereafter ("**Annual Term**") until terminated by either party by giving to the other party written notice of its intention to so terminate at least six (6) months prior to the end of any such Annual Term. Monthly rent during such Annual Terms shall be equal to the Rent paid for the last month of the final Extension Term. If Tenant remains in possession of the Premises after the termination of this Agreement, then Tenant will be deemed to be occupying the Premises on a month-to-month basis (the "**Holdover Term**"), subject to the terms and conditions of this Agreement.

(d) The Initial Term, any Extension Terms, any Annual Terms and any Holdover Term are collectively referred to as the "**Term**".

4. RENT.

(a) Commencing on the first day of the month following the date that Tenant commences construction (the "**Rent Commencement Date**"), Tenant will pay Landlord on or before the fifth (5th) day of each calendar month in advance, [REDACTED] (the "**Rent**"), at the address set forth above. In any partial month occurring after the Rent Commencement Date, Rent will be prorated. The initial Rent payment will be forwarded by Tenant to Landlord within forty-five (45) days after the Rent Commencement Date.

(b) In year two (2) of the Initial Term, and each year thereafter, including throughout any Extension Terms exercised, the monthly Rent will increase by [REDACTED] over the Rent paid during the previous year, effective the first day of the month in which the anniversary of the Term Commencement Date occurs

(c) All charges payable under this Agreement such as utilities and taxes shall be billed by Landlord within one (1) year from the end of the calendar year in which the charges were incurred; any charges beyond such period shall not be billed by Landlord and shall not be payable by Tenant. The foregoing shall not apply to monthly Rent which is due and payable without a requirement that it be billed by Landlord. The provisions of this subsection shall survive the termination or expiration of this Agreement.

5. APPROVALS.

(a) Landlord agrees that Tenant's ability to use the Premises is contingent upon the suitability of the Premises and Property for the Permitted Use and Tenant's ability to obtain and maintain all Government Approvals. Landlord authorizes Tenant to prepare, execute and file all required applications to obtain Government Approvals for the Permitted Use and agrees to reasonably assist Tenant with such applications and with obtaining and maintaining the Government Approvals.

(b) Tenant has the right to obtain a title report or commitment for a leasehold title policy from a title insurance company of its choice and to have the Property surveyed by a surveyor of its choice.

(c) Tenant may also perform and obtain, at Tenant's sole cost and expense, soil borings, percolation tests, engineering procedures, environmental investigation or other tests or reports on, over, and under the Property, necessary to determine if Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system, design, operations or Government Approvals.

6. TERMINATION. This Agreement may be terminated, without penalty or further liability, as follows:

(a) by either party on thirty (30) days prior written notice, if the other party remains in default under Section 15 of this Agreement after the applicable cure periods;

(b) by Tenant upon written notice to Landlord, if Tenant is unable to obtain, or maintain, any required approval(s) or the issuance of a license or permit by any agency, board, court or other governmental authority necessary for the construction or operation of the Communication Facility as now or hereafter intended by Tenant; or if Tenant determines, in its sole discretion that the cost of or delay in obtaining or retaining the same is commercially unreasonable;

(c) by Tenant, upon written notice to Landlord, if Tenant determines, in its sole discretion, due to the title report results or survey results, that the condition of the Premises is unsatisfactory for its intended uses;

(d) by Tenant upon written notice to Landlord for any reason or no reason, at any time prior to commencement of construction by Tenant; or

(e) by Tenant upon sixty (60) days' prior written notice to Landlord for any reason or no reason, so long as Tenant pays Landlord a termination fee equal to three (3) months' Rent, at the then-current rate, provided, however, that no such termination fee will be payable on account of the termination of this Agreement by Tenant under any termination provision contained in any other Section of this Agreement, including the following: Section 5 Approvals, Section 6(a) Termination, Section 6(b) Termination, Section 6(c) Termination, Section 6(d) Termination, Section 11(d) Environmental, Section 18 Condemnation or Section 19 Casualty.

7. **INSURANCE.** During the Option Term and throughout the Term, Tenant will purchase and maintain in full force and effect such general liability policy as Tenant may deem necessary. Said policy of general liability insurance will at a minimum provide a combined single limit of [REDACTED] [REDACTED]. Notwithstanding the foregoing, Tenant shall have the right to self-insure such general liability coverage.

8. **INTERFERENCE.**

(a) Prior to or concurrent with the execution of this Agreement, Landlord has provided or will provide Tenant with a list of radio frequency user(s) and frequencies used on the Property as of the Effective Date. Tenant warrants that its use of the Premises will not interfere with those existing radio frequency uses on the Property, as long as the existing radio frequency user(s) operate and continue to operate within their respective frequencies and in accordance with all applicable laws and regulations.

(b) Landlord will not grant, after the Effective Date, a lease, license or any other right to any third party, if the exercise of such grant may in any way adversely affect or interfere with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will notify Tenant in writing prior to granting any third party the right to install and operate communications equipment on the Property.

(c) Landlord will not, nor will Landlord permit its employees, tenants, licensees, invitees, agents or independent contractors to interfere in any way with the Communication Facility, the operations of Tenant or the rights of Tenant under this Agreement. Landlord will cause such interference to cease within twenty-four (24) hours after receipt of notice of interference from Tenant. In the event any such interference does not cease within the aforementioned cure period, Landlord shall cease all operations which are suspected of causing interference (except for intermittent testing to determine the cause of such interference) until the interference has been corrected.

(d) For the purposes of this Agreement, "interference" may include, but is not limited to, any use on the Property or Surrounding Property that causes electronic or physical obstruction with, or degradation of, the communications signals from the Communication Facility.

9. **INDEMNIFICATION.**

(a) Tenant agrees to indemnify, defend and hold Landlord harmless from and against any and all injury, loss, damage or liability, costs or expenses in connection with a third party claim (including reasonable attorneys' fees and court costs) arising directly from the installation, use, maintenance, repair or removal of the Communication Facility or Tenant's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Landlord, its employees, invitees, agents or independent contractors.

(b) Landlord agrees to indemnify, defend and hold Tenant harmless from and against any and all injury, loss, damage or liability, costs or expenses in connection with a third party claim (including reasonable attorneys' fees and court costs) arising directly from the actions or failure to act of Landlord, its employees, invitees agents or independent contractors, or Landlord's breach of any provision of this Agreement, except to the extent attributable to the negligent or intentional act or omission of Tenant, its employees, agents or independent contractors.

(c) The indemnified party: (i) shall promptly provide the indemnifying party with written notice of any claim, demand, lawsuit, or the like for which it seeks indemnification pursuant to this Section and provide the indemnifying party with copies of any demands, notices, summonses, or legal papers received in connection with such claim, demand, lawsuit, or the like; (ii) shall not settle any such claim, demand, lawsuit, or the like without the prior written consent of the indemnifying party; and (iii) shall fully cooperate with the indemnifying party in the defense of the claim, demand, lawsuit, or the like. A delay in notice shall not relieve the indemnifying party of its indemnity obligation, except (1) to the extent the indemnifying party can show it was prejudiced by the delay; and (2) the indemnifying party shall not be liable for any settlement or litigation expenses incurred before the time when notice is given.

10. WARRANTIES.

(a) Each of Tenant and Landlord (to the extent not a natural person) acknowledge and represent that it is duly organized, validly existing and in good standing and has the right, power and authority or capacity, as applicable, to enter into this Agreement and bind itself hereto through the party or individual set forth as signatory for the party below.

(b) Landlord represents, warrants and agrees that: (i) Landlord solely owns the Property as a legal lot in fee simple, or controls the Property by lease or license; (ii) the Property is not and will not be encumbered by any liens, restrictions, mortgages, covenants, conditions, easements, leases, or any other agreements of record or not of record, which would adversely affect Tenant's Permitted Use and enjoyment of the Premises under this Agreement; (iii) as long as Tenant is not in default then Landlord grants to Tenant sole, actual, quiet and peaceful use, enjoyment and possession of the Premises without hindrance or ejection by any persons lawfully claiming under Landlord ; (iv) Landlord's execution and performance of this Agreement will not violate any laws, ordinances, covenants or the provisions of any mortgage, lease or other agreement binding on Landlord; and (v) if the Property is or becomes encumbered by a deed to secure a debt, mortgage or other security interest, Landlord will provide promptly to Tenant a mutually agreeable subordination, non-disturbance and attornment agreement executed by Landlord and the holder of such security interest in the form attached hereto as **Exhibit 10(b)**.

11. ENVIRONMENTAL.

(a) Landlord represents and warrants, except as may be identified in **Exhibit 11** attached to this Agreement, (i) the Property, as of the Effective Date, is free of hazardous substances, including asbestos-containing materials and lead paint, and (ii) the Property has never been subject to any contamination or hazardous conditions resulting in any environmental investigation, inquiry or remediation. Landlord and Tenant agree that each will be responsible for compliance with any and all applicable governmental laws, rules, statutes, regulations, codes, ordinances, or principles of common law regulating or imposing standards of liability or standards of conduct with regard to protection of the environment or worker health and safety, as may now or at any time hereafter be in effect, to the extent such apply to that party's activity conducted in or on the Property.

(b) Landlord and Tenant agree to hold harmless and indemnify the other from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of the indemnifying party for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any action, notice, claim, order, summons, citation, directive, litigation, investigation or proceeding ("**Claims**"), to the extent arising from that party's breach of its obligations or representations under Section 11(a). Landlord agrees to hold harmless and indemnify Tenant from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Landlord for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from subsurface or other contamination of the Property with hazardous substances prior to the Effective Date or from such contamination caused by the acts or omissions of Landlord during the Term. Tenant agrees to hold harmless and indemnify Landlord from, and to assume all duties, responsibilities and liabilities at the sole cost and expense of Tenant for, payment of penalties, sanctions, forfeitures, losses, costs or damages, and for responding to any Claims, to the extent arising from hazardous substances brought onto the Property by Tenant.

(c) The indemnification provisions contained in this Section 11 specifically include reasonable costs, expenses and fees incurred in connection with any investigation of Property conditions or any clean-up,

remediation, removal or restoration work required by any governmental authority. The provisions of this Section 11 will survive the expiration or termination of this Agreement.

(d) In the event Tenant becomes aware of any hazardous materials on the Property, or any environmental, health or safety condition or matter relating to the Property, that, in Tenant's sole determination, renders the condition of the Premises or Property unsuitable for Tenant's use, or if Tenant believes that the leasing or continued leasing of the Premises would expose Tenant to undue risks of liability to a government agency or other third party, Tenant will have the right, in addition to any other rights it may have at law or in equity, to terminate this Agreement upon written notice to Landlord.

12. ACCESS. At all times throughout the Term of this Agreement, and at no additional charge to Tenant, Tenant and its employees, agents, and subcontractors, will have twenty-four (24) hour per day, seven (7) day per week pedestrian and vehicular access ("**Access**") to and over the Property, from an open and improved public road to the Premises, for the installation, maintenance and operation of the Communication Facility and any utilities serving the Premises. As may be described more fully in **Exhibit 1**, Landlord grants to Tenant an easement for such Access and Landlord agrees to provide to Tenant such codes, keys and other instruments necessary for such Access at no additional cost to Tenant. Upon Tenant's request, Landlord will execute a separate recordable easement evidencing this right. Landlord shall execute a letter granting Tenant Access to the Property substantially in the form attached as **Exhibit 12**; upon Tenant's request, Landlord shall execute additional letters during the Term. Landlord acknowledges that in the event Tenant cannot obtain Access to the Premises, Tenant shall incur significant damage. If Landlord fails to provide the Access granted by this Section 12, such failure shall be a default under this Agreement. In connection with such default, in addition to any other rights or remedies available to Tenant under this Agreement or at law or equity, Landlord shall pay Tenant, as liquidated damages and not as a penalty, [REDACTED] per day in consideration of Tenant's damages until Landlord cures such default. Landlord and Tenant agree that Tenant's damages in the event of a denial of Access are difficult, if not impossible, to ascertain, and the liquidated damages set forth above are a reasonable approximation of such damages.

13. REMOVAL/RESTORATION. All portions of the Communication Facility brought onto the Property by Tenant will be and remain Tenant's personal property and, at Tenant's option, may be removed by Tenant at any time during or after the Term. Landlord covenants and agrees that no part of the Communication Facility constructed, erected or placed on the Premises by Tenant will become, or be considered as being affixed to or a part of, the Property, it being the specific intention of Landlord that all improvements of every kind and nature constructed, erected or placed by Tenant on the Premises will be and remain the property of Tenant and may be removed by Tenant at any time during or after the Term. Tenant will repair any damage to the Property resulting from Tenant's removal activities. Any portions of the Communication Facility that Tenant does not remove within one hundred twenty (120) days after the later of the end of the Term and cessation of Tenant's operations at the Premises shall be deemed abandoned and owned by Landlord. Notwithstanding the foregoing, Tenant will not be responsible for the replacement of any trees, shrubs or other vegetation.

14. MAINTENANCE/UTILITIES.

(a) Tenant will keep and maintain the Premises in good condition, reasonable wear and tear and damage from the elements excepted. Landlord will maintain and repair the Property and access thereto and all areas of the Premises where Tenant does not have exclusive control, in good and tenantable condition, subject to reasonable wear and tear and damage from the elements. Landlord will be responsible for maintenance of landscaping on the Property, including any landscaping installed by Tenant as a condition of this Agreement or any required permit.

(b) Tenant will be responsible for paying on a monthly or quarterly basis all utilities charges for electricity, telephone service or any other utility used or consumed by Tenant on the Premises. In the event Tenant cannot secure its own metered electrical supply, Tenant will have the right, at its own cost and expense, to sub-meter from Landlord. When sub-metering is required under this Agreement, Landlord will read the meter and provide Tenant with an invoice and usage data on a monthly basis. Tenant shall reimburse Landlord for such utility usage at the same rate charged to Landlord by the utility service provider. Landlord further agrees

to provide the usage data and invoice on forms provided by Tenant and to send such forms to such address and/or agent designated by Tenant. Tenant will remit payment within sixty (60) days of receipt of the usage data and required forms. Landlord shall maintain accurate and detailed records of all utility expenses, invoices and payments applicable to Tenant's reimbursement obligations hereunder. Within fifteen (15) days after a request from Tenant, Landlord shall provide copies of such utility billing records to the Tenant in the form of copies of invoices, contracts and cancelled checks. If the utility billing records reflect an overpayment by Tenant, Tenant shall have the right to deduct the amount of such overpayment from any monies due to Landlord from Tenant.

(c) As noted in Section 4(c) above, any utility fee recovery by Landlord is limited to a twelve (12) month period. If Tenant submeters electricity from Landlord, Landlord agrees to give Tenant at least twenty-four (24) hours advance notice of any planned interruptions of said electricity. Landlord acknowledges that Tenant provides a communication service which requires electrical power to operate and must operate twenty-four (24) hours per day, seven (7) days per week. If the interruption is for an extended period of time, in Tenant's reasonable determination, Landlord agrees to allow Tenant the right to bring in a temporary source of power for the duration of the interruption. Landlord will not be responsible for interference with, interruption of or failure, beyond the reasonable control of Landlord, of such services to be furnished or supplied by Landlord.

(d) Tenant will have the right to install utilities, at Tenant's expense, and to improve present utilities on the Property and the Premises. Landlord hereby grants to any service company providing utility or similar services, including electric power and telecommunications, to Tenant an easement over the Property, from an open and improved public road to the Premises, and upon the Premises, for the purpose of constructing, operating and maintaining such lines, wires, circuits, and conduits, associated equipment cabinets and such appurtenances thereto, as such service companies may from time to time require in order to provide such services to the Premises. Upon Tenant's or service company's request, Landlord will execute a separate recordable easement evidencing this grant, at no cost to Tenant or the service company.

15. DEFAULT AND RIGHT TO CURE.

(a) The following will be deemed a default by Tenant and a breach of this Agreement: (i) non-payment of Rent if such Rent remains unpaid for more than thirty (30) days after written notice from Landlord of such failure to pay; or (ii) Tenant's failure to perform any other term or condition under this Agreement within forty-five (45) days after written notice from Landlord specifying the failure. No such failure, however, will be deemed to exist if Tenant has commenced to cure such default within such period and provided that such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Tenant. If Tenant remains in default beyond any applicable cure period, Landlord will have the right to exercise any and all rights and remedies available to it under law and equity.

(b) The following will be deemed a default by Landlord and a breach of this Agreement: (i) Landlord's failure to provide Access to the Premises as required by Section 12 within twenty-four (24) hours after written notice of such failure; (ii) Landlord's failure to cure an interference problem as required by Section 8 within twenty-four (24) hours after written notice of such failure; or (iii) Landlord's failure to perform any term, condition or breach of any warranty or covenant under this Agreement within forty-five (45) days after written notice from Tenant specifying the failure. No such failure, however, will be deemed to exist if Landlord has commenced to cure the default within such period and provided such efforts are prosecuted to completion with reasonable diligence. Delay in curing a default will be excused if due to causes beyond the reasonable control of Landlord. If Landlord remains in default beyond any applicable cure period, Tenant will have: (i) the right to cure Landlord's default and to deduct the costs of such cure from any monies due to Landlord from Tenant, and (ii) any and all other rights available to it under law and equity.

16. ASSIGNMENT/SUBLEASE. Tenant will have the right to assign this Agreement or sublease the Premises and its rights herein, in whole or in part, without Landlord's consent. Upon notification to Landlord of such assignment, Tenant will be relieved of all future performance, liabilities and obligations under this Agreement to the extent of such assignment.

17. **NOTICES.** All notices, requests and demands hereunder will be given by first class certified or registered mail, return receipt requested, or by a nationally recognized overnight courier, postage prepaid, to be effective when properly sent and received, refused or returned undelivered. Notices will be addressed to the parties as follows:

If to Tenant: Uniti Towers LLC
 Attn: Real Estate
 10801 Executive Center Drive
 Shannon Building, Suite 100
 Little Rock AR 72211
 501.458.4724

CC: Uniti Towers LLC
 ATTN: Keith Harvey, Deputy General Counsel
 10802 Executive Center Drive
 Benton Building, Suite 300
 Little Rock AR 72211

For Emergencies: NOC 1-844-398-9716

If to Landlord: Lynne Avery Blankenship
 132 Sugartree Ln
 Glasgow, KY 42141
 Telephone: 270-678-8932

Either party hereto may change the place for the giving of notice to it by thirty (30) days' prior written notice to the other party as provided herein.

18. **CONDEMNATION.** In the event Landlord receives notification of any condemnation proceedings affecting the Property, Landlord will provide notice of the proceeding to Tenant within twenty-four (24) hours. If a condemning authority takes all of the Property, or a portion sufficient, in Tenant's sole determination, to render the Premises unsuitable for Tenant, this Agreement will terminate as of the date the title vests in the condemning authority. The parties will each be entitled to pursue their own separate awards in the condemnation proceeds, which for Tenant will include, where applicable, the value of its Communication Facility, moving expenses, prepaid Rent, and business dislocation expenses. Tenant will be entitled to reimbursement for any prepaid Rent on a *pro rata* basis.

19. **CASUALTY.** Landlord will provide notice to Tenant of any casualty or other harm affecting the Property within twenty-four (24) hours of the casualty or other harm. If any part of the Communication Facility or Property is damaged by casualty or other harm as to render the Premises unsuitable, in Tenant's sole determination, then Tenant may terminate this Agreement by providing written notice to Landlord, which termination will be effective as of the date of such casualty or other harm. Upon such termination, Tenant will be entitled to collect all insurance proceeds payable to Tenant on account thereof and to be reimbursed for any prepaid Rent on a *pro rata* basis. Landlord agrees to permit Tenant to place temporary transmission and reception facilities on the Property, but only until such time as Tenant is able to activate a replacement transmission facility at another location; notwithstanding the termination of this Agreement, such temporary facilities will be governed by all of the terms and conditions of this Agreement, including Rent. If Landlord or Tenant undertakes to rebuild or restore the Premises and/or the Communication Facility, as applicable, Landlord agrees to permit Tenant to place temporary transmission and reception facilities on the Property at no additional Rent until the reconstruction of the Premises and/or the Communication Facility is completed. If Landlord determines not to rebuild or restore the Property, Landlord will notify Tenant of such determination within thirty (30) days after the casualty or other harm. If Landlord does not so notify Tenant and Tenant decides not to

terminate under this Section, then Landlord will promptly rebuild or restore any portion of the Property interfering with or required for Tenant's Permitted Use of the Premises to substantially the same condition as existed before the casualty or other harm. Landlord agrees that the Rent shall be abated until the Property and/or the Premises are rebuilt or restored, unless Tenant places temporary transmission and reception facilities on the Property.

20. WAIVER OF LANDLORD'S LIENS. Landlord waives any and all lien rights it may have, statutory or otherwise, concerning the Communication Facility or any portion thereof. The Communication Facility shall be deemed personal property for purposes of this Agreement, regardless of whether any portion is deemed real or personal property under applicable law; Landlord consents to Tenant's right to remove all or any portion of the Communication Facility from time to time in Tenant's sole discretion and without Landlord's consent.

21. TAXES.

(a) Landlord shall be responsible for (i) all taxes and assessments levied upon the lands, improvements and other property of Landlord including any such taxes that may be calculated by a taxing authority using any method, including the income method (ii) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with this Agreement and (iii) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with a sale of the Property or assignment of Rent payments by Landlord. Tenant shall be responsible for (y) any taxes and assessments attributable to and levied upon Tenant's leasehold improvements on the Premises if and as set forth in this Section 21 and (z) all sales, use, license, value added, documentary, stamp, gross receipts, registration, real estate transfer, conveyance, excise, recording, and other similar taxes and fees imposed in connection with an assignment of this Agreement or sublease by Tenant. Nothing herein shall require Tenant to pay any inheritance, franchise, income, payroll, excise, privilege, rent, capital stock, stamp, documentary, estate or profit tax, or any tax of similar nature, that is or may be imposed upon Landlord.

(b) In the event Landlord receives a notice of assessment with respect to which taxes or assessments are imposed on Tenant's leasehold improvements on the Premises, Landlord shall provide Tenant with copies of each such notice immediately upon receipt, but in no event later than thirty (30) days after the date of such notice of assessment. If Landlord does not provide such notice or notices to Tenant in a timely manner and Tenant's rights with respect to such taxes are prejudiced by the delay, Landlord shall reimburse Tenant for any increased costs directly resulting from the delay and Landlord shall be responsible for payment of the tax or assessment set forth in the notice, and Landlord shall not have the right to reimbursement of such amount from Tenant. If Landlord provides a notice of assessment to Tenant within such time period and requests reimbursement from Tenant as set forth below, then Tenant shall reimburse Landlord for the tax or assessments identified on the notice of assessment on Tenant's leasehold improvements, which has been paid by Landlord. If Landlord seeks reimbursement from Tenant, Landlord shall, no later than thirty (30) days after Landlord's payment of the taxes or assessments for the assessed tax year, provide Tenant with written notice including evidence that Landlord has timely paid same, and Landlord shall provide to Tenant any other documentation reasonably requested by Tenant to allow Tenant to evaluate the payment and to reimburse Landlord.

(c) For any tax amount for which Tenant is responsible under this Agreement, Tenant shall have the right to contest, in good faith, the validity or the amount thereof using such administrative, appellate or other proceedings as may be appropriate in the jurisdiction, and may defer payment of such obligations, pay same under protest, or take such other steps as permitted by law. This right shall include the ability to institute any legal, regulatory or informal action in the name of Landlord, Tenant, or both, with respect to the valuation of the Premises. Landlord shall cooperate with respect to the commencement and prosecution of any such proceedings and will execute any documents required therefor. The expense of any such proceedings shall be borne by Tenant and any refunds or rebates secured as a result of Tenant's action shall belong to Tenant, to the extent the amounts were originally paid by Tenant. In the event Tenant notifies Landlord by the due date for assessment of Tenant's intent to contest the assessment, Landlord shall not pay the assessment pending conclusion of the contest, unless required by applicable law.

(d) Landlord shall not split or cause the tax parcel on which the Premises are located to be split, bifurcated, separated or divided without the prior written consent of Tenant.

(e) Tenant shall have the right but not the obligation to pay any taxes due by Landlord hereunder if Landlord fails to timely do so, in addition to any other rights or remedies of Tenant. In the event that Tenant exercises its rights under this Section 21(e) due to such Landlord default, Tenant shall have the right to deduct such tax amounts paid from any monies due to Landlord from Tenant as provided in Section 15(b), provided that Tenant may exercise such right without having provided to Landlord notice and the opportunity to cure per Section 15(b).

(f) Any tax-related notices shall be sent to Tenant in the manner set forth in Section 17. Promptly after the Effective Date of this Agreement, Landlord shall provide the Notice address set forth in Section 17 to the taxing authority for the authority's use in the event the authority needs to communicate with Tenant. In the event that Tenant's tax address changes by notice to Landlord, Landlord shall be required to provide Tenant's new tax address to the taxing authority or authorities.

(g) Notwithstanding anything to the contrary contained in this Section 21, Tenant shall have no obligation to reimburse any tax or assessment for which the Landlord is reimbursed or rebated by a third party.

22. SALE OF PROPERTY.

(a) Landlord may sell the Property or a portion thereof to a third party, provided: (i) the sale is made subject to the terms of this Agreement; and (ii) if the sale does not include the assignment of Landlord's full interest in this Agreement, the purchaser must agree to perform, without requiring compensation from Tenant or any subtenant, any obligation of Landlord under this Agreement, including Landlord's obligation to cooperate with Tenant as provided hereunder.

(b) If Landlord, at any time during the Term of this Agreement, decides to rezone or sell, subdivide or otherwise transfer all or any part of the Premises, or all or any part of the Property or Surrounding Property, to a purchaser other than Tenant, Landlord shall promptly notify Tenant in writing, and such rezoning, sale, subdivision or transfer shall be subject to this Agreement and Tenant's rights hereunder. In the event of a change in ownership, transfer or sale of the Property, within ten (10) days of such transfer, Landlord or its successor shall send the documents listed below in this Section 22(b) to Tenant. Until Tenant receives all such documents, Tenant's failure to make payments under this Agreement shall not be an event of default and Tenant reserves the right to hold payments due under this Agreement.

- i. Old deed to Property
- ii. New deed to Property
- iii. Bill of Sale or Transfer
- iv. Copy of current Tax Bill
- v. New IRS Form W-9
- vi. Completed and Signed Tenant Payment Direction Form
- vii. Full contact information for new Landlord including phone number(s)

(c) Landlord agrees not to sell, lease or use any areas of the Property or Surrounding Property for the installation, operation or maintenance of other wireless communication facilities if such installation, operation or maintenance would interfere with Tenant's Permitted Use or communications equipment as determined by radio propagation tests performed by Tenant in its sole discretion. Landlord or Landlord's prospective purchaser shall reimburse Tenant for any costs and expenses of such testing. If the radio frequency propagation tests demonstrate levels of interference unacceptable to Tenant, Landlord shall be prohibited from selling, leasing or using any areas of the Property or the Surrounding Property for purposes of any installation, operation or maintenance of any other wireless communication facility or equipment.

(d) The provisions of this Section shall in no way limit or impair the obligations of Landlord under this Agreement, including interference and access obligations.

23. RIGHT OF FIRST REFUSAL. Notwithstanding the provisions contained in Section 22, if at any time after the Effective Date, Landlord receives a bona fide written offer from a third party seeking any sale,

conveyance, assignment or transfer, whether in whole or in part, of any property interest in or related to the Premises, including without limitation any offer seeking an assignment or transfer of the Rent payments associated with this Agreement or an offer to purchase an easement with respect to the Premises ("**Offer**"), Landlord shall immediately furnish Tenant with a copy of the Offer. Tenant shall have the right within ninety (90) days after it receives such copy to match the financial terms of the Offer and agree in writing to match such terms of the Offer. Such writing shall be in the form of a contract substantially similar to the Offer, but Tenant may assign its rights to a third party. If Tenant chooses not to exercise this right or fails to provide written notice to Landlord within the ninety (90) day period, Landlord may sell, convey, assign or transfer such property interest in or related to the Premises pursuant to the Offer, subject to the terms of this Agreement. If Landlord attempts to sell, convey, assign or transfer such property interest in or related to the Premises without complying with this Section 23, the sale, conveyance, assignment or transfer shall be void. Tenant shall not be responsible for any failure to make payments under this Agreement and reserves the right to hold payments due under this Agreement until Landlord complies with this Section 23. Tenant's failure to exercise the right of first refusal shall not be deemed a waiver of the rights contained in this Section 23 with respect to any future proposed conveyances as described herein.

24. MISCELLANEOUS.

(a) **Amendment/Waiver.** This Agreement cannot be amended, modified or revised unless done in writing and signed by Landlord and Tenant. No provision may be waived except in a writing signed by both parties. The failure by a party to enforce any provision of this Agreement or to require performance by the other party will not be construed to be a waiver, or in any way affect the right of either party to enforce such provision thereafter.

(b) **Memorandum.** Contemporaneously with the execution of this Agreement, the parties will execute a recordable Memorandum of Lease substantially in the form attached as **Exhibit 24b**. Either party may record this Memorandum of Lease at any time during the Term, in its absolute discretion. Thereafter during the Term, either party will, at any time upon fifteen (15) business days' prior written notice from the other, execute, acknowledge and deliver to the other a recordable Memorandum of Lease.

(c) **Limitation of Liability.** Except for the indemnity obligations set forth in this Agreement, and otherwise notwithstanding anything to the contrary in this Agreement, Tenant and Landlord each waives any claims that each may have against the other with respect to consequential, incidental or special damages, however caused, based on any theory of liability.

(d) **Compliance with Law.** Tenant agrees to comply with all federal, state and local laws, orders, rules and regulations ("**Laws**") applicable to Tenant's use of the Communication Facility on the Property. Landlord agrees to comply with all Laws relating to Landlord's ownership and use of the Property and any improvements on the Property.

(e) **Bind and Benefit.** The terms and conditions contained in this Agreement will run with the Property and bind and inure to the benefit of the parties, their respective heirs, executors, administrators, successors and assigns.

(f) **Entire Agreement.** This Agreement and the exhibits attached hereto, all being a part hereof, constitute the entire agreement of the parties hereto and will supersede all prior offers, negotiations and agreements with respect to the subject matter of this Agreement. Exhibits are numbered to correspond to the Section wherein they are first referenced. Except as otherwise stated in this Agreement, each party shall bear its own fees and expenses (including the fees and expenses of its agents, brokers, representatives, attorneys, and accountants) incurred in connection with the negotiation, drafting, execution and performance of this Agreement and the transactions it contemplates.

(g) **Governing Law.** This Agreement will be governed by the laws of the state in which the Premises are located, without regard to conflicts of law.

(h) **Interpretation.** Unless otherwise specified, the following rules of construction and interpretation apply: (i) captions are for convenience and reference only and in no way define or limit the construction of the terms and conditions hereof; (ii) use of the term "including" will be interpreted to mean "including but not limited to"; (iii) whenever a party's consent is required under this Agreement, except as otherwise stated in the Agreement or as same may be duplicative, such consent will not be unreasonably

withheld, conditioned or delayed; (iv) exhibits are an integral part of this Agreement and are incorporated by reference into this Agreement; (v) use of the terms "termination" or "expiration" are interchangeable; (vi) reference to a default will take into consideration any applicable notice, grace and cure periods; (vii) to the extent there is any issue with respect to any alleged, perceived or actual ambiguity in this Agreement, the ambiguity shall not be resolved on the basis of who drafted the Agreement; (viii) the singular use of words includes the plural where appropriate and (ix) if any provision of this Agreement is held invalid, illegal or unenforceable, the remaining provisions of this Agreement shall remain in full force if the overall purpose of the Agreement is not rendered impossible and the original purpose, intent or consideration is not materially impaired.

(i) **Affiliates.** All references to "Tenant" shall be deemed to include any Affiliate of Uniti Towers LLC using the Premises for any Permitted Use or otherwise exercising the rights of Tenant pursuant to this Agreement. "Affiliate" means with respect to a party to this Agreement, any person or entity that (directly or indirectly) controls, is controlled by, or under common control with, that party. "Control" of a person or entity means the power (directly or indirectly) to direct the management or policies of that person or entity, whether through the ownership of voting securities, by contract, by agency or otherwise.

(j) **Survival.** Any provisions of this Agreement relating to indemnification shall survive the termination or expiration hereof. In addition, any terms and conditions contained in this Agreement that by their sense and context are intended to survive the termination or expiration of this Agreement shall so survive.

(k) **W-9.** As a condition precedent to payment, Landlord agrees to provide Tenant with a completed IRS Form W-9, or its equivalent, upon execution of this Agreement and at such other times as may be reasonably requested by Tenant, including any change in Landlord's name or address.

(l) **Execution/No Option.** The submission of this Agreement to any party for examination or consideration does not constitute an offer, reservation of or option for the Premises based on the terms set forth herein. This Agreement will become effective as a binding Agreement only upon the handwritten legal execution, acknowledgment and delivery hereof by Landlord and Tenant. This Agreement may be executed in two (2) or more counterparts, all of which shall be considered one and the same agreement and shall become effective when one or more counterparts have been signed by each of the parties. All parties need not sign the same counterpart.

(m) **Attorneys' Fees.** In the event that any dispute between the parties related to this Agreement should result in litigation, the prevailing party in such litigation shall be entitled to recover from the other party all reasonable fees and expenses of enforcing any right of the prevailing party, including reasonable attorneys' fees and expenses. Prevailing party means the party determined by the court to have most nearly prevailed even if such party did not prevail in all matters. This provision will not be construed to entitle any party other than Landlord, Tenant and their respective Affiliates to recover their fees and expenses.

(n) **WAIVER OF JURY TRIAL.** EACH PARTY, TO THE EXTENT PERMITTED BY LAW, KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVES ITS RIGHT TO A TRIAL BY JURY IN ANY ACTION OR PROCEEDING UNDER ANY THEORY OF LIABILITY ARISING OUT OF OR IN ANY WAY CONNECTED WITH THIS AGREEMENT OR THE TRANSACTIONS IT CONTEMPLATES.

(o) **Incidental Fees.** Unless specified in this Agreement, no unilateral fees or additional costs or expenses are to be applied by either party to the other party, including review of plans, structural analyses, consents, provision of documents or other communications between the parties.

(p) **Further Acts.** Upon request, Landlord will cause to be promptly and duly taken, executed, acknowledged and delivered all such further acts, documents, and assurances as Tenant may request from time to time in order to effectuate, carry out and perform all of the terms, provisions and conditions of this Agreement and all transactions and permitted use contemplated by this Agreement.

(q) **Force Majeure.** No party shall be liable or responsible to the other party, nor be deemed to have defaulted under or breached this Agreement, for any failure or delay in fulfilling or performing any term of this Agreement, when and to the extent such failure or delay is caused by or results from acts beyond the affected party's reasonable control, including, without limitation: (a) acts of God; (b) flood, fire, earthquake, or explosion; (c) war, invasion, hostilities (whether war is declared or not), terrorist threats or acts, riot, or other civil unrest; (d) government order or law; (e) embargoes, or blockades in effect on or after the date of this Agreement; (f) action by any governmental authority; (g) national or regional emergency; and (h) strikes, labor

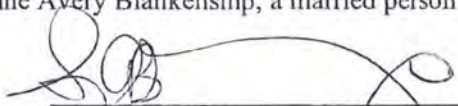
stoppages or slowdowns, or other industrial disturbances. The party suffering a force majeure event shall give written notice to the other party, stating the period of time the occurrence is expected to continue and shall use diligent efforts to end the failure or delay and ensure the effects of such force majeure event are minimized.

[SIGNATURES APPEAR ON NEXT PAGE]

IN WITNESS WHEREOF, the parties have caused this Agreement to be effective as of the last date written below.

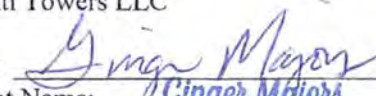
"LANDLORD"

Lynne Avery Blankenship, a married person

By: 
Name: Lynne Avery Blankenship
Date: 3-13-2020

"TENANT"

Uniti Towers LLC

By: 
Print Name: Ginger Majors
Its: VP - Real Estate
Date: 3-24-2020

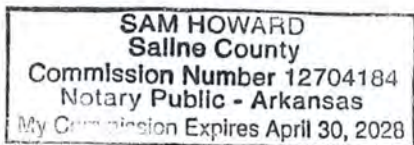
[ACKNOWLEDGMENTS APPEAR ON NEXT PAGE]

TENANT ACKNOWLEDGMENT

STATE OF ARKANSAS

COUNTY OF PULASKI

On the 24 day of March, 2020, before me personally appeared Ginger Majors, who acknowledged under oath that he/ (she) is the VP-Rent Estate of Uniti Towers LLC, the Tenant named in the attached instrument, and as such was authorized to execute this instrument on behalf of the Tenant.



Sam Howard
Notary Public: SAM Howard
My Commission Expires: 4-30-2028

LANDLORD ACKNOWLEDGMENT

STATE OF KENTUCKY

COUNTY OF Kentucky (Fayette Co)

BE IT REMEMBERED, that on this 13 day of March, 2020 before me, the subscriber, a person authorized to take oaths in the State of Kentucky, personally appeared **Lynne Avery Blankenship** who, being duly sworn on her oath, deposed and made proof to my satisfaction that she is the person named in the within instrument; and I, having first made known to her the contents thereof, she did acknowledge that she signed, sealed and delivered the same as her voluntary act and deed for the purposes therein contained.

Jannah Jade Flannery
Notary Public: Kentucky
My Commission Expires: 09/27/21



EXHIBIT 1

DESCRIPTION OF PREMISES

Page 1 of 6

to the Option and Lease Agreement dated March 24, 2020, by and between Lynne Avery Blankenship, a married woman, as Landlord, and Uniti Towers LLC, a Delaware limited liability company, as Tenant.

The Property is legally described as follows:

Property located in Metcalfe County, Kentucky

The following described property lying and being in Metcalfe County, Kentucky and more particularly described as follows:

Beginning at a set iron pin on the r/w of Dry Fork Road (30 ft. r/w) a new corner to Barton Cawthorn Et. Al. (Deed Book 131, Page 4); thence with the r/w S 09 deg. 30 min. 32 sec. W 450.22 ft.; thence S 11 deg. 07 min. 36 sec. W 76.20 ft.; thence S 14 deg. 58 min. 01 sec. W 56.90 ft.; thence S 19 deg. 25 min. 01 sec. W 84.63 ft.; thence S 24 deg. 23 min. 14 sec. W 59.11 ft.; thence S 25 deg. 12 min. 45 sec. W 95.53 ft.; thence S 19 deg. 28 min. 40 sec. W 46.87 ft.; thence S 11 deg. 17 min. 43 sec. W 75.81 ft. to a point on the r/w (referenced N 87 deg. 53 min. 13 sec. E 28.83 ft. from an existing iron pin with cap #3014); thence S 02 deg. 15 min. 40 sec. W 34.85 ft.; thence S 04 deg. 12 min. 57 sec. E 33.24 ft.; thence S 18 deg. 33 min. 46 sec. E 24.07 ft.; thence S 28 deg. 42 min. 31 sec. E 23.45 ft.; thence S 37 deg. 20 min. 11 sec. E 34.13 ft.; thence S 47 deg. 10 min. 35 sec. E 73.03 ft.; thence S 51 deg. 38 min. 19 sec. E 117.51 ft.; thence S 45 deg. 05 min. 16 sec. E 62.80 ft.; thence S 39 deg. 55 min. 57 sec. E 127.29 ft.; thence S 36 deg. 53 min. 24 sec. E 66.76 ft.; thence S 31 deg. 47 min. 09 sec. E 51.67 ft.; thence S 24 deg. 51 min. 19 sec. E 70.07 ft.; thence S 19 deg. 50 min. 24 sec. E 155.13 ft. to a set iron pin on the r/w in the center of a branch a corner to Ester Grimes (Deed Book 93 Page 835); thence with the center of the branch and the line of Grimes N 04 deg. 39 min. 33 sec. E 110.56 ft.; thence N 10 deg. 39 min. 13 sec. E 123.68 ft.; thence N 26 deg. 05 min. 47 sec. W 97.18 ft.; thence N 21 deg. 41 min. 13 sec. E 201.68 ft.; thence N 00 deg. 24 min. 13 sec. E 221.36 ft. to a point in the center of the branch; thence N 22 deg. 30 min. 13 sec. E 67.49 ft. to a set iron pin at a 10 in. ash snag and a small waterfall; thence with the line of Grimes and Ronald Poynter (Deed Book 93 Page 184) N 27 deg. 45 min. 42 sec. E 276.90 ft. to a set iron pin at an 8 in. ash a corner to Poynter; thence N 05 deg. 28 min. 35 sec. W 449.97 ft. to an existing iron pin with cap #3014 a corner to Poynter and Barton Cawthorn Et. Al. (Deed Book 131 Page 4); thence severing the land of Cawthorn Et. Al. with 3 new lines S 45 deg. 11 min. 51 sec. W 31.26 ft. to a set iron pin; thence N 20 deg. 06 min. 09 sec. W 400.04 ft. to the beginning containing 12.25 acres, more or less.

AND BEING the same property conveyed to Lynn Avery Blankenship from Eugene Avery and Constance Avery, husband and wife by Warranty Deed dated May 26, 2016 and recorded June 3, 2016 in Deed Book 156, Page 761.

Tax Parcel No. 026-00-00-039.16

The Premises are described and/or depicted as follows:

LEASE AREA

All that tract or parcel of land lying and being in Metcalfe County, Kentucky and part of the lands of Lynn Avery Blankenship as recorded in Deed Book 156, Page 761 Metcalfe County records, and being more particularly described as follows:

To find the point of beginning, Commence at a 1/2-inch rebar found marking the Northwest corner of said Blankenship lands and the Eastern right-of-way line of Dry Fork Road (having a 30-foot public right-of-way per Deed Book 156, Page 761,

Metcalf County records) said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521554.0524 E: 4939271.7136; thence, running along a tie line, South 09°17'57" West, 534.48 feet to a point on the Eastern right-of-way line of Dry Fork Road said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521026.5961 E: 4939185.3484; thence, leaving said right-of-way and running, South 77°54'32" East, 106.01 feet to a point on the Lease Area, thence, running along said Lease Area, North 12°05'28" East, 50.00 feet to a point and the true POINT OF BEGINNING; Thence, South 77°54'32" East, 100.00 feet to a point; Thence, South 12°05'28" West, 100.00 feet to a point; Thence, North 77°54'32" West, 100.00 feet to a point; Thence, North 12°05'28" East, 100.00 feet to a point and the POINT OF BEGINNING.

Bearings based on Grid North, NAD 83, Kentucky Zone.

Said tract contains 0.2296 acres (10,000 square feet), more or less, as shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 4, 2020.

30' INGRESS-EGRESS & UTILITY EASEMENT

Together with a 30-foot Ingress-Egress and Utility Easement (lying 15-feet each side of centerline) lying and being in Metcalf County, Kentucky and part of the lands of Lynn Avery Blankenship as recorded in Deed Book 156, Page 761 Metcalf County records, and being more particularly described by the following centerline data:

To find the point of beginning, Commence at a ½-inch rebar found marking the Northwest corner of said Blankenship lands and the Eastern right-of-way line of Dry Fork Road (having a 30-foot public right-of-way per Deed Book 156, Page 761, Metcalf County records) said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521554.0524 E: 4939271.7136; thence, running along a tie line, South 09°17'57" West, 534.48 feet to a point on the Eastern right-of-way line of Dry Fork Road said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521026.5961 E: 4939185.3484 and the true POINT OF BEGINNING; Thence, leaving said right-of-way and running, South 77°54'32" East, 106.01 feet ENDING at a point on the Lease Area.

Bearings based on Grid North, NAD 83, Kentucky Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 4, 2020.

30' GUY WIRE EASEMENT #1

Together with a 30-foot Guy Wire Easement (lying 15-feet each side of centerline and extending 15-feet past the point of termination) lying and being in Metcalf County, Kentucky and part of the lands of Lynn Avery Blankenship as recorded in Deed Book 156, Page 761 Metcalf County records, and being more particularly described by the following centerline data:

To find the point of beginning, Commence at a ½-inch rebar found marking the Northwest corner of said Blankenship lands and the Eastern right-of-way line of Dry Fork Road (having a 30-foot public right-of-way per Deed Book 156, Page 761, Metcalf County records) said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521554.0524 E: 4939271.7136; thence, running along a tie line, South 09°17'57" West, 534.48 feet to a point on the Eastern right-of-way line of Dry Fork Road said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521026.5961 E: 4939185.3484; thence, leaving said right-of-way and running, South 77°54'32" East, 106.01 feet to a point on the Lease Area, thence, running along said Lease Area, North 12°05'28" East, 50.00 feet to a point; thence, South 77°54'32" East, 21.13 feet to a point and the true POINT OF BEGINNING; Thence, leaving said Lease Area and running, North 17°54'32" West, 186.26 feet ENDING at a point.

Bearings based on Grid North, NAD 83, Kentucky Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 4, 2020.

30' GUY WIRE EASEMENT #2

Together with a 30-foot Guy Wire Easement (lying 15-feet each side of centerline and extending 15-feet past the point of termination) lying and being in Metcalf County, Kentucky and part of the lands of Lynn Avery Blankenship as recorded in Deed Book 156, Page 761 Metcalf County records, and being more particularly described by the following centerline data:

To find the point of beginning, Commence at a ½-inch rebar found marking the Northwest corner of said Blankenship lands and the Eastern right-of-way line of Dry Fork Road (having a 30-foot public right-of-way per Deed Book 156, Page 761, Metcalfe County records) said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521554.0524 E: 4939271.7136; thence, running along a tie line, South 09°17'57" West, 534.48 feet to a point on the Eastern right-of-way line of Dry Fork Road said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521026.5961 E: 4939185.3484; thence, leaving said right-of-way and running, South 77°54'32" East, 106.01 feet to a point on the Lease Area, thence, running along said Lease Area, North 12°05'28" East, 50.00 feet to a point; thence, South 77°54'32" East, 100.00 feet to a point; thence, South 12°05'28" West, 50.00 feet to a point and the true POINT OF BEGINNING; Thence, leaving said Lease Area and running, South 77°54'32" East, 194.00 feet ENDING at a point.

Bearings based on Grid North, NAD 83, Kentucky Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 4, 2020.

30' GUY WIRE EASEMENT #3

Together with a 30-foot Guy Wire Easement (lying 15-feet each side of centerline and extending 15-feet past the point of termination) lying and being in Metcalfe County, Kentucky and part of the lands of Lynn Avery Blankenship as recorded in Deed book 156, Page 761 Metcalfe County records, and being more particularly described by the following centerline data:

To find the point of beginning, Commence at a ½-inch rebar found marking the Northwest corner of said Blankenship lands and the Eastern right-of-way line of Dry Fork Road (having a 30-foot public right-of-way per Deed Book 156, Page 761, Metcalfe County records) said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521554.0524 E: 4939271.7136; thence, running along a tie line, South 09°17'57" West, 534.48 feet to a point on the Eastern right-of-way line of Dry Fork Road said point having a Grid North, NAD 83, Kentucky Zone value of N: 3521026.5961 E: 4939185.3484; thence, leaving said right-of-way and running, South 77°54'32" East, 106.01 feet to a point on the Lease Area, thence, running along said Lease Area, North 12°05'28" East, 50.00 feet to a point; thence, South 77°54'32" East, 100.00 feet to a point; thence, South 12°05'28" West, 100.00 feet to a point; thence, North 77°54'32" West, 78.87 feet to a point and the true POINT OF BEGINNING; Thence, leaving said Lease area and running, South 42°05'28" West. 186.26 feet ENDING at a point.

Bearings based on Grid North, NAD 83, Kentucky Zone.

As shown in a survey prepared for Uniti Towers, LLC by POINT TO POINT LAND SURVEYORS, INC. dated February 4, 2020.

Notes:

1. THIS EXHIBIT MAY BE REPLACED BY A LAND SURVEY AND/OR CONSTRUCTION DRAWINGS OF THE PREMISES ONCE RECEIVED BY TENANT.
2. ANY SETBACK OF THE PREMISES FROM THE PROPERTY'S BOUNDARIES SHALL BE THE DISTANCE REQUIRED BY THE APPLICABLE GOVERNMENT AUTHORITIES.
3. WIDTH OF ACCESS ROAD SHALL BE THE WIDTH REQUIRED BY THE APPLICABLE GOVERNMENT AUTHORITIES, INCLUDING POLICE AND FIRE DEPARTMENTS.
4. THE TYPE, NUMBER AND MOUNTING POSITIONS AND LOCATIONS OF ANTENNAS AND TRANSMISSION LINES ARE ILLUSTRATIVE ONLY. ACTUAL TYPES, NUMBERS AND MOUNTING POSITIONS MAY VARY FROM WHAT IS SHOWN ABOVE.



GPS NOTES

THE FOLLOWING GPS STATISTICS UPON WHICH THIS SURVEY IS BASED HAVE BEEN PRODUCED AT THE 95% CONFIDENCE LEVEL:

POSITIONAL ACCURACY: 0.01 FEET (HORIZ) 0.04 FEET (VERT)
 TYPE OF EQUIPMENT: GEOMAX ZENITH38 PRO BASE AND SCHEER DUAL FREQUENCY
 TYPE OF GPS FIELD PROCEDURE: ONLINE POSITION USER INTERFACE
 DATE OF SURVEY: 01/20/2020
 DATUM / EPOCH: NAD 83(2011)EPOCH=2011.0.0000
 PUBLISHED / FIELD CONTROL USE: N/A
 BECD MODEL: 1.8
 COORDINATE GRID FACTORS: 0.99999848 CENTERED ON THE GPS BASE POINT AS IS SHOWN HEREON
 CONFIDENCE ANGLE: 07°02'16.74"

TITLE EXCEPTIONS

- THIS SURVEY WAS COMPLETED WITH THE AID OF TITLE WORK PROVIDED BY FACILITY NATIONAL TITLE INSURANCE COMPANY, ISSUE DATE OF JANUARY 22, 2020, BEING ORDER NO. 202001211. FOR THE PARENT PARCEL, TO DETERMINE THE IMPACTS OF EXISTING TITLE EXCEPTIONS.
- NOTICES AS SHOWN AND NOTED ON PLAT RECORDED IN PLAT BOOK 67, PAGE 72. THESE ITEMS MAY AFFECT THE PRESENT PARCEL, BUT THE PROMISED DOCUMENT IS ALLEGED.
- CLAIMMENT DESCRIBED IN DEED IN FAVOR OF HOOKERMAN GULPH, DONALD E. GULPH, BETTE GULPH, KENNETH GULPH AND CURIS GULPH SET FORTH IN INSTRUMENT RECORDED ON MAY 1, 1979 IN DEED BOOK 67, PAGE 125. THESE ITEMS MAY AFFECT THE PRESENT PARCEL, BUT ITS DESCRIPTION IS TOO VAGUE TO BE PLOTTED.
- RIGHT OF WAY IN FAVOR OF COUNTY OF METCALFE SET FORTH IN INSTRUMENT RECORDED ON JUNE 16, 1997 IN DEED BOOK 101, PAGE 175. THESE ITEMS MAY AFFECT THE PRESENT PARCEL, BUT CONTAINS NO PLOTTABLE DESCRIPTION.
- TERMS AND CONDITIONS OF MEMORANDUM OF SET: LEASE AGREEMENT DATED FEBRUARY 5, 2008 BY AND BETWEEN HENNING CRAWFORD AND GUYL CARTERSON, AND SHARIS WITTE, LLC, RECORDED 02/07/2008 IN DEED BOOK 138, PAGE 35; FIRST AMENDMENT TO LEASE AGREEMENT BY INSTRUMENT DATED MAY 1, 2008 AND RECORDED ON JUNE 5, 2008 IN DEED BOOK 131, PAGE 130. THESE ITEMS DOES NOT AFFECT THE PRESENT PARCEL.
- NOTICES AS SHOWN AND NOTED ON PLAT RECORDED IN PLAT BOOK A, PAGE 142. THESE ITEMS IS APPLICABLE TO THE PARENT PARCEL, AND THE APPLICABLE TERMS ARE SHOWN HEREON.

C/L 30' INGRESS-EGRESS & UTILITY EASEMENT

C/L 30' GUY WIRE EASEMENT (3)
(SEE PAGE 2 FOR DETAIL)



GENERAL NOTES

- * THIS SPECIFIC PURPOSE SURVEY IS FOR THE LEASED PREMISES AND EASEMENTS ONLY. THIS SPECIFIC PURPOSE SURVEY WAS PREPARED FOR THE EXCLUSIVE USE OF UNITS TOWERS, LLC AND EXCLUSIVELY FOR THE TRANSFER OF THE PROPOSED LEASED PREMISES AND THE RIGHTS OF EASEMENT SHOWN HEREON AND SHALL NOT BE USED AS AN EVIDENCE OF EVIDENCE IN THE FUTURE. INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM TYPICAL SURVEY AND DEED DESCRIPTIONS ONLY. NO BOUNDARY SURVEY OF THE PARENT PARCEL WAS PERFORMED.
- THIS DRAWING DOES NOT REPRESENT A BOUNDARY SURVEY.
- THE FIELD DATA UPON WHICH THIS SPECIFIC PURPOSE SURVEY IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 10,000+ FEET AND AN ANGULAR ERROR OF 0.27 PER ANGLE POINT AND WAS NOT ADJUSTED FOR CLOSURE.
- EQUIPMENT USED FOR ANGULAR & LINEAR MEASUREMENTS: LEICA TS 1300 ROBOTIC & GEOMAX ZENITH 38L (DATE OF LAST FIELD VISIT: 01/20/2020)
- THE 1" CONTOURS AND SPOT ELEVATIONS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE ADJUSTED TO NAVD 83 DATUM COMPUTED USING GEOLINK AND HAVE A VERTICAL ACCURACY OF ± 0.5'. CONTROLLED OUTSIDE THE IMMEDIATE SITE AREA ARE APPROXIMATE.
- BEARINGS SHOWN ON THIS SPECIFIC PURPOSE SURVEY ARE BASED ON GRID NORTH AND NOT ON KENTUCKY ZONE.
- FOR THE FEMA FLOODPLAIN MAPS, THE SITE IS LOCATED IN AN AREA DESIGNATED AS ZONE X (AREA OF MINIMAL FLOOD HAZARD, COMMUNITY PANEL NO: 2116920179C DATED 06/03/2016)
- NO WETLAND AREAS HAVE BEEN INVESTIGATED BY THIS SPECIFIC PURPOSE SURVEY. ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS.
- ANY UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM ABOVE GROUND FIELD SURVEY INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT ANY UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER PRESENCE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT ANY UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED ANY UNDERGROUND UTILITIES.

- LEGEND**
- PCB POINT OF BEGINNING
 - POC POINT OF COMMENCEMENT
 - PP IRON PIN SET
 - PS IRON PIN SET
 - CMF CONCRETE MOUNTAIN FOUND
 - CP CEMENT PILE
 - EW EMENT-ORIENT
 - HP IRON PIPE POLE
 - HS IRON PIPE
 - SMR STORM DRAIN MANHOLE
 - PRC PINE PLANT
 - TO TOP OF PLANT
 - TC TOP OF CURB
 - TD TOP OF DRIVE
 - TRF TOP OF WALL
 - TSR TOP OF SILL
 - CU OVERHEAD UTILITY
 - LU UNDERGROUND UTILITY
 - CMF CONCRETE MOUNTAIN FOUND
 - ICP REINFORCED CONCRETE PILE
 - PCF POLYURETHANE CHANCE PILE
 - OP OIL PIPE ANCHOR
 - TR TRANSFORMER
 - IR IRON ROD
 - IRB IRON ROD WITH GUY WIRE
 - ICR DOUBLE END GUY WIRE
 - CLP CHAIN LINK FENCE
 - WV WOOD VENEER
 - WB WOOD BOARD
 - CO CONCRETE CURB
 - OP OIL PIPE ANCHOR
 - PCF POLYURETHANE CHANCE PILE
 - AP ICE BRUSH PILE

SURVEYOR'S CERTIFICATE

I, G. DARRELL TAYLOR, A KENTUCKY PROFESSIONAL LAND SURVEYOR, CERTIFY THAT THE INFORMATION SHOWN HEREON WAS COMPILED USING DATA FROM AN ACTUAL FIELD SURVEY MADE UNDER MY DIRECT SUPERVISION BY METHOD OF RANDOM TRIANGULATION WITH BECK SHOTS. THE UNADJUSTED PRECISION OF THE TRIANGULATION EXCEEDED 1:33,000 AND WAS NOT ADJUSTED FOR CLOSURE. THIS SURVEY MEETS OR EXCEEDS THE MINIMUM STANDARDS FOR AN ORDINARY SURVEY AS ESTABLISHED BY THE STATE OF KENTUCKY, PER RSA ANN 18.150 AND IS IN EFFECT ON THE DATE OF THIS SURVEY.

G. Darrell Taylor 02/04/2020 DATE
 G. DARRELL TAYLOR, PLS 4179



PARENT PARCEL

OWNER: LYNN AVERY BLANKENSHIP
 SITE ADDRESS: DRY FORK ROAD, EDMONTON, KY 42129
 PARCEL ID: 0264000039.16
 AREA: 13.25 ACRES PER TAX ASSessor
 ZONED: NO ZONING IN UNINCORPORATED METCALFE COUNTY
 ALL ZONING INFORMATION SHOULD BE VERIFIED WITH THE PROPER ZONING OFFICIALS
 REFERENCE: DEED BOOK 156 PAGE 751



STATE OF KENTUCKY
 G. DARRELL TAYLOR
 4179
 LICENSED PROFESSIONAL LAND SURVEYOR

NO.	DATE	REVISION

POINT TO POINT LAND SURVEYORS
 100 Governors Trace, Ste. 103
 Peachtree City, GA 30269
 (p) 678.565.4440 (f) 678.565.4497
 (w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR



DRY FORK RD
 SITE NO. KYBGN2022
 METCALFE COUNTY, KENTUCKY

DRAWN BY: GJM	SHEET: 1 OF 3
CHECKED BY: JML	
APPROVED: D. MILLER	
DATE: FEBRUARY 04, 2020	
JOB #/A: 2000292Y	

DRAWN BY: GJM; CHECKED BY: JML; APPROVED: D. MILLER; DATE: FEBRUARY 04, 2020; JOB #/A: 2000292Y

LEGAL DESCRIPTION SHEET

LEASE AREA

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 16-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 77°54'32" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 12°05'28" EAST, 100.00 FEET TO A POINT AND THE POINT OF BEGINNING.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

SAID TRACT CONTAINS 0.2296 ACRES (10,000 SQUARE FEET), MORE OR LESS.

30' INGRESS-EGRESS & UTILITY EASEMENT

TOGETHER WITH A 30-FOOT INGRESS-EGRESS AND UTILITY EASEMENT LYING 15-FEET EACH SIDE OF CENTERLINE LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 16-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484 AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET ENDING AT A POINT ON THE LEASE AREA.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #1

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 16-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 21.13 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, NORTH 17°54'32" WEST, 186.26 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #2

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 16-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 50.00 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, SOUTH 77°54'32" EAST, 134.00 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

30' GUY WIRE EASEMENT #3

TOGETHER WITH A 30-FOOT GUY WIRE EASEMENT LYING 15-FEET EACH SIDE OF CENTERLINE AND EXTENDING 15-FEET PAST THE POINT OF TERMINATION LYING AND BEING IN METCALFE COUNTY, KENTUCKY AND PART OF THE LANDS OF LYNN AVERY BLANKENSHIP AS RECORDED IN DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS, AND BEING MORE PARTICULARLY DESCRIBED BY THE FOLLOWING CENTERLINE DATA:

TO FIND THE POINT OF BEGINNING, COMMENCE AT A 16-INCH REBAR FOUND MARKING THE NORTHWEST CORNER OF SAID BLANKENSHIP LANDS AND THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD (HAVING A 30-FOOT PUBLIC RIGHT-OF-WAY PER DEED BOOK 156, PAGE 761, METCALFE COUNTY RECORDS) SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521554.0524 E: 4939271.7136; THENCE, RUNNING ALONG A TIE LINE, SOUTH 09°17'57" WEST, 534.48 FEET TO A POINT ON THE EASTERN RIGHT-OF-WAY LINE OF DRY FORK ROAD SAID POINT HAVING A GRID NORTH, NAD 83, KENTUCKY ZONE VALUE OF N: 3521026.5961 E: 4939185.3484; THENCE, LEAVING SAID RIGHT-OF-WAY AND RUNNING, SOUTH 77°54'32" EAST, 106.01 FEET TO A POINT ON THE LEASE AREA, THENCE, RUNNING ALONG SAID LEASE AREA, NORTH 12°05'28" EAST, 50.00 FEET TO A POINT; THENCE, SOUTH 77°54'32" EAST, 100.00 FEET TO A POINT; THENCE, SOUTH 12°05'28" WEST, 100.00 FEET TO A POINT; THENCE, NORTH 77°54'32" WEST, 78.87 FEET TO A POINT AND THE TRUE POINT OF BEGINNING; THENCE, LEAVING SAID LEASE AREA AND RUNNING, SOUTH 42°05'28" WEST, 186.26 FEET ENDING AT A POINT.

BEARINGS BASED ON GRID NORTH, NAD 83, KENTUCKY ZONE.

STATE of KENTUCKY
G. DARRELL
TAYLOR
4179
LICENSED
PROFESSIONAL
LAND SURVEYOR

NO.	DATE	REVISION

SPECIFIC PURPOSE SURVEY PREPARED BY:

**POINT TO POINT
LAND SURVEYORS**
100 Governors Trace, Ste. 103
Peachtree City, GA 30269
(p) 678.565.4440 (f) 678.565.4497
(w) pointtopointsurvey.com



SPECIFIC PURPOSE SURVEY PREPARED FOR:



DRY FORK RD
SITE NO.
KYBGN2022
METCALFE COUNTY, KENTUCKY

DRAWN BY: BSM
CHECKED BY: JAL
APPROVED: D. MILLER
DATE: FEBRUARY 04, 2020
PSP JOB #: 200020CY

SHEET:
3
OF 3

**EXHIBIT J
NOTIFICATION LISTING**

Wisdom Relo / Dry Fork Road – Notice List

BLANKENSHIP LYNN AVERY
132 SUGARTREE LN
GLASGOW, KY 42141

SBA TOWERS VII LLC
ATTN:TAX DEPT KY10687-A
8051 CONGRESS AVE
BOCA RATON, FL 334871307

POYNTER RONALD B
180 LONNIE MILLER RD
EDMONTON, KY 42129

GRIMES ESTHER
P O BOX 486
EDMONTON, KY 42129

AVERY DEAN STEVE & BARBARA
481 DRY FORK RD
EDMONTON, KY 42129

WORTHEY VICKI & JAMES D BUTTS
220 DRY FORK RD
EDMONTON, KY 42129

THOMPSON JAMES H JR AMANDA TINSLEY
184 DRY FORK RD
EDMONTON, KY 42129

BISHOP BILLY W
1050 LEGION PARK RD
GREENSBURG, KY 42743

COMPTON KENNETH DALE
1987 OLD GLASGOW RD
EDMONTON, KY 42129

COMPTON KENNETH DALE
705 S MAIN ST
EDMONTON, KY 42129

EXHIBIT K
COPY OF PROPERTY OWNER NOTIFICATION



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

**Notice of Proposed Construction of
Wireless Communications Facility
Site Name: Wisdom Relo / Dry Fork Road**

Dear Landowner:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 175 Dry Fork Road, Edmonton, KY 42129 (36° 59' 34.33" North latitude, 85° 41' 17.05" West longitude). The proposed facility will include a 305-foot tall tower, with an approximately 12-foot tall lightning arrestor attached at the top, for a total height of 317-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

This notice is being sent to you because the County Property Valuation Administrator's records indicate that you may own property that is within a 500' radius of the proposed tower site or contiguous to the property on which the tower is to be constructed. You have a right to submit testimony to the Kentucky Public Service Commission ("PSC"), either in writing or to request intervention in the PSC's proceedings on the application. You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00328 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us toll free at (800) 516-4293 if you have any comments or questions about this proposal.

Sincerely,
David A. Pike
Attorney for Applicants

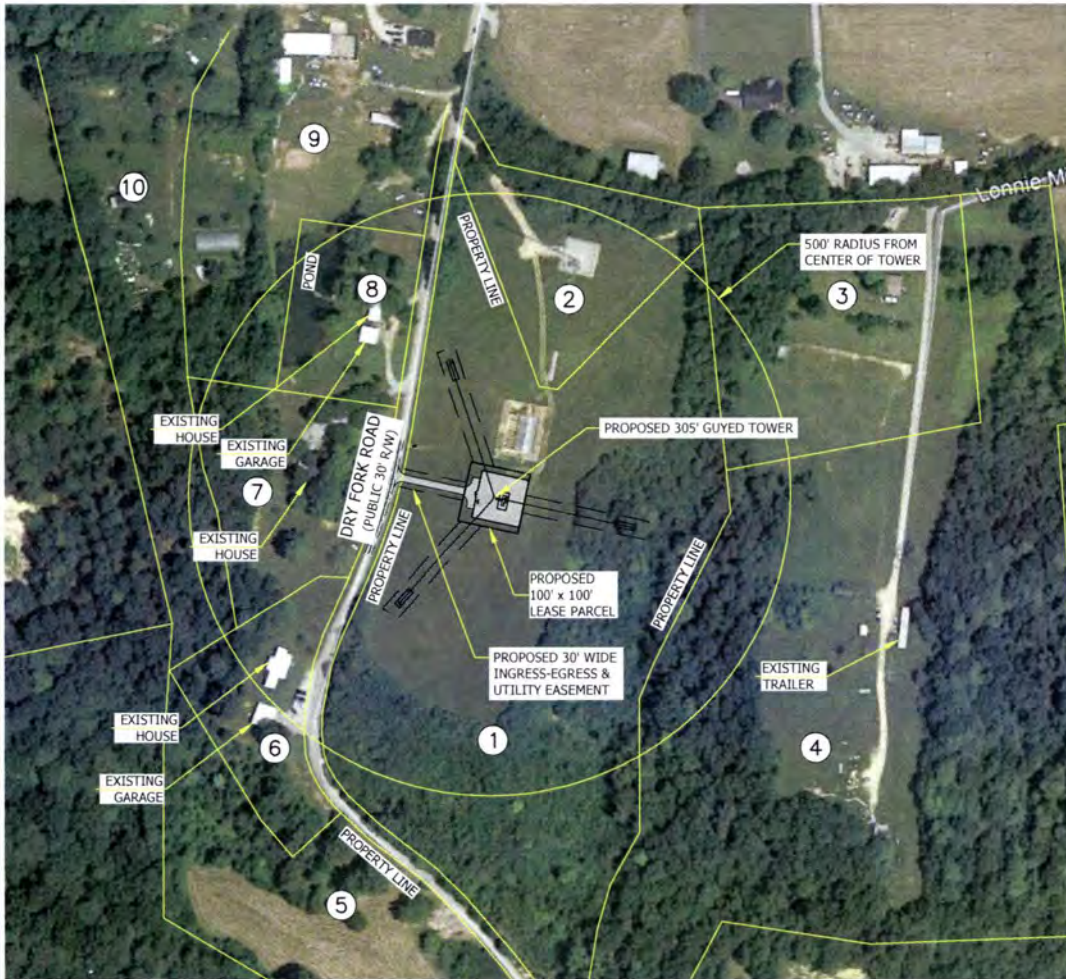
enclosures

Driving Directions to Proposed Tower Site

1. Beginning at the Metcalfe County Judge Executive's Office, located at 201 North Main Street, Edmonton, KY 42129, head south (toward East Street) on North Main Street and travel approximately 279 feet.
2. Turn right at the second cross street onto West Stockton Street and travel approximately 2.5 miles.
3. Turn left onto Old Glasgow Road / Old US 68 Road and travel approximately 2.0 miles.
4. Turn left onto Dry Fork Road and travel approximately 0.2 miles.
5. The site is located on the left at 175 Dry Fork Road, Edmonton, KY 42129.
6. The site coordinates are:
 - a. North 36 deg 59 min 34.33 sec
 - b. West 85 deg 41 min 17.05 sec



Prepared by:
Chris Shouse
Pike Legal Group
1578 Highway 44 East, Suite 6
P.O. Box 396
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293



1 500' RADIUS & ADJOINER'S DRAWING
 SCALE: 0' 100' 200' 300' 400' 1"=200'



#	OWNER	ADDRESS	PID	REF
1	LYNN AVERY BLANKENSHIP	132 SUGARTREE LANE GLASGOW, KY 42141	026-00-00-039.16	DB 156 PG 761
2	SBA TOWERS VII LLC ATTN: TAX DEPT KY10687-A	8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307	026-00-00-039.03	DB 154 PG 465
3	RONALD B. POYNTER	180 LONNIE MILLER RD EDMONTON, KY 42129	026-00-00-039.06	DB 93 PG 184
4	ESTHER GRIMES	P.O. BOX 486 EDMONTON, KY 42129	026-00-00-039.07	DB 93 PG 835
5	DEAN & BARBARA AVERY	481 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.09	-
6	VICKI WORTHEY & JAMES BUTTS	220 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.10	-
7	JAMES THOMPSON & AMANDA TINSLEY	184 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.12	DB 154 PG 465
8	BILLY W. BISHOP	1050 LEGION PARK ROAD GREENSBURG, KY 42743	026-00-00-039.13	DB 93 PG 184
9	KENNETH D. COMPTON	1987 OLD GLASGOW ROAD EDMONTON, KY 42129	026-00-00-039.04	DB 93 PG 835
10	KENNETH D. COMPTON	705 S MAIN ST EDMONTON, KY 42129	026-00-00-039.15	-

NOTE:

1. PVA INFORMATION WAS OBTAINED ON 6/1/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.
2. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
3. NOT FOR RECORDING OR PROPERTY TRANSFER.

BAT NOTE:

MUST DO TREE CLEARING BETWEEN
 OCTOBER 15th AND MARCH 31st, DUE TO BAT
 TREES ON PROPERTY



CALL KENTUCKY ONE CALL
 (800) 752-6007
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!



UNITI TOWERS
 DRY FORK RD
 EA# 15145549
 PACE# MRTNSK047947
 PTH# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METIC ALFEE COUNTY
 PROPOSED 305 GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR			
REV	DATE	DRWN	DESCRIPTION
A	8/26/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
C	9/21/20	MAS	ZONING DRAWINGS

B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS
 THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED
 PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

500' RADIUS &
 ADJOINER'S
 DRAWING

SHEET NUMBER:

C-1

EXHIBIT L
COPY OF COUNTY JUDGE/EXECUTIVE NOTICE



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA CERTIFIED MAIL

Harold D. Stilts
County Judge Executive
P. O. Box 149
201 N. Main Street
Edmonton, KY 42129

RE: Notice of Proposal to Construct Wireless Communications Facility
Kentucky Public Service Commission Docket No. 2020-00328
Site Name: Wisdom Relo / Dry Fork Road

Dear Judge/Executive:

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located at 175 Dry Fork Road, Edmonton, KY 42129 (36° 59' 34.33" North latitude, 85° 41' 17.05" West longitude). The proposed facility will include a 305-foot tall tower, with an approximately 12-foot tall lightning arrestor attached at the top, for a total height of 317-feet, plus related ground facilities. This facility is needed to provide improved coverage for wireless communications in the area.

You have a right to submit comments to the PSC or to request intervention in the PSC's proceedings on the application. You may contact the PSC at: Executive Director, Public Service Commission, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00328 in any correspondence sent in connection with this matter.

We have attached a map showing the site location for the proposed tower. AT&T Mobility's radio frequency engineers assisted in selecting the proposed site for the facility, and they have determined it is the proper location and elevation needed to provide quality service to wireless customers in the area. Please feel free to contact us with any comments or questions you may have.

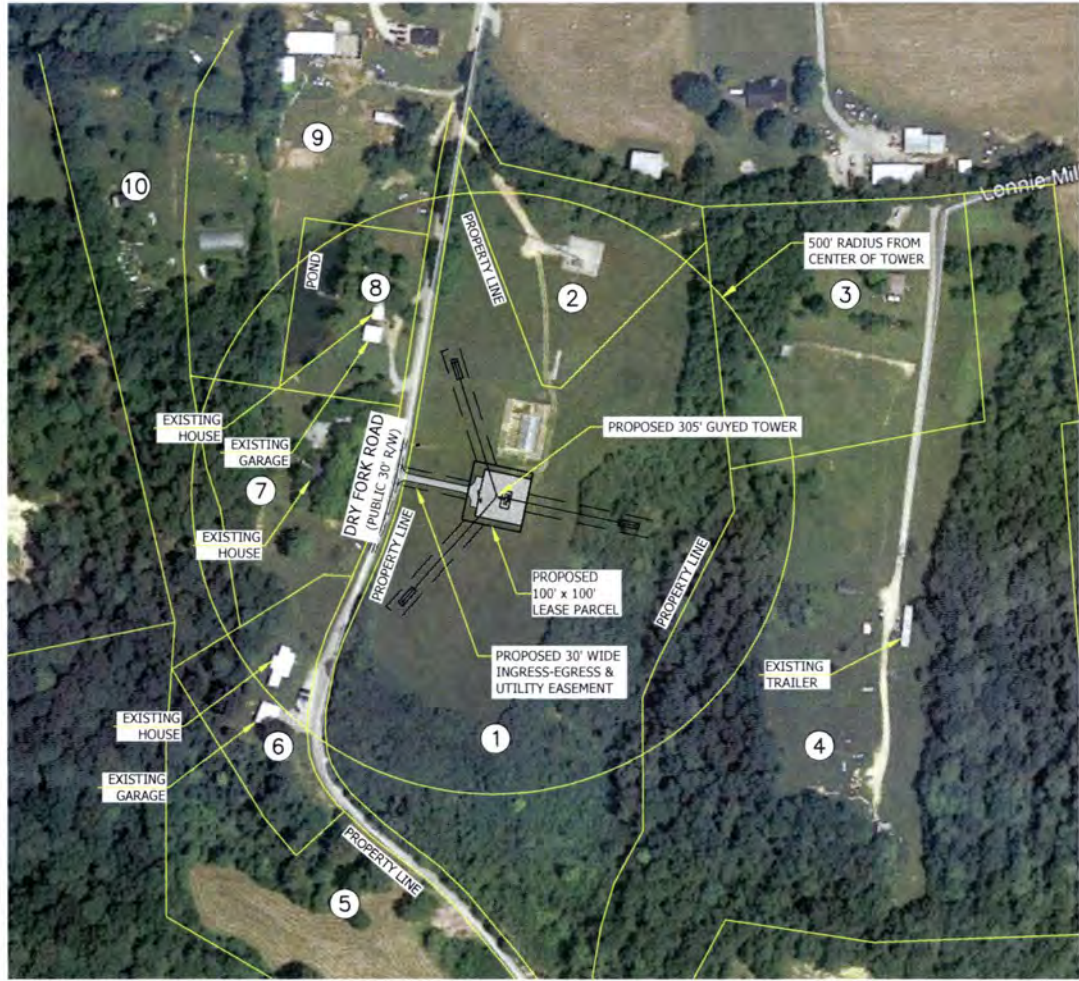
Sincerely,
David A. Pike
Attorney for Applicants
enclosures

Driving Directions to Proposed Tower Site

1. Beginning at the Metcalfe County Judge Executive's Office, located at 201 North Main Street, Edmonton, KY 42129, head south (toward East Street) on North Main Street and travel approximately 279 feet.
2. Turn right at the second cross street onto West Stockton Street and travel approximately 2.5 miles.
3. Turn left onto Old Glasgow Road / Old US 68 Road and travel approximately 2.0 miles.
4. Turn left onto Dry Fork Road and travel approximately 0.2 miles.
5. The site is located on the left at 175 Dry Fork Road, Edmonton, KY 42129.
6. The site coordinates are:
 - a. North 36 deg 59 min 34.33 sec
 - b. West 85 deg 41 min 17.05 sec



Prepared by:
Chris Shouse
Pike Legal Group
1578 Highway 44 East, Suite 6
P.O. Box 396
Shepherdsville, KY 40165-3069
Telephone: 502-955-4400 or 800-516-4293



1 500' RADIUS & ADJOINER'S DRAWING
 SCALE: 0' 100' 200' 300' 400' 1"=200'



#	OWNER	ADDRESS	PID	REF
1	LYNN AVERY BLANKENSHIP	132 SUGARTREE LANE GLASGOW, KY 42141	026-00-00-039.16	DB 156 PG 761
2	SBA TOWERS VII LLC ATTN: TAX DEPT KY10687-A	8051 CONGRESS AVENUE BOCA RATON, FL 33487-1307	026-00-00-039.03	DB 154 PG 465
3	RONALD B. POYNTER	180 LONNIE MILLER RD EDMONTON, KY 42129	026-00-00-039.06	DB 93 PG 184
4	ESTHER GRIMES	P.O. BOX 486 EDMONTON, KY 42129	026-00-00-039.07	DB 93 PG 835
5	DEAN & BARBARA AVERY	481 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.09	-
6	VICKI WORTHLEY & JAMES BUTTS	220 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.10	-
7	JAMES THOMPSON & AMANDA TINSLEY	184 DRY FORK ROAD EDMONTON, KY 42129	026-00-00-039.12	DB 154 PG 465
8	BILLY W. BISHOP	1050 LEGION PARK ROAD GREENSBURG, KY 42743	026-00-00-039.13	DB 93 PG 184
9	KENNETH D. COMPTON	1987 OLD GLASGOW ROAD EDMONTON, KY 42129	026-00-00-039.04	DB 93 PG 835
10	KENNETH D. COMPTON	705 S MAIN ST EDMONTON, KY 42129	026-00-00-039.15	-

- NOTE:
1. PVA INFORMATION WAS OBTAINED ON 6/1/2020 FROM THE OFFICIAL RECORDS OF THE COUNTY'S PROPERTY VALUATION ADMINISTRATOR.
 2. THIS MAP IS FOR GENERAL INFORMATION PURPOSES ONLY AND IS NOT A BOUNDARY SURVEY.
 3. NOT FOR RECORDING OR PROPERTY TRANSFER.

BAT NOTE:
 MUST DO TREE CLEARING BETWEEN
 OCTOBER 15th AND MARCH 31st, DUE TO BAT
 TREES ON PROPERTY



CALL KENTUCKY ONE CALL
 (800) 752-6007
 CALL 3 WORKING DAYS
 BEFORE YOU DIG!



UNITITOWERS
 DRY FORK RD
 FA# 15145549
 PACE# MRTN K047947
 PT# 10124720
 175 DRY FORK RD
 EDMONTON, KY 42129
 METCALFE COUNTY
 PROPOSED 305 GUYED TOWER

PROJECT NO: 137331
 CHECKED BY: DLS

ISSUED FOR

REV	DATE	DRWN	DESCRIPTION
A	8/28/20	DLS	ZONING DRAWINGS
B	9/15/20	MAS	ZONING DRAWINGS
0	9/21/20	MAS	ZONING DRAWINGS

B&T ENGINEERING, INC.
 4011
 Expires 12/31/20



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

500' RADIUS &
 ADJOINER'S
 DRAWING

SHEET NUMBER:
C-1

**EXHIBIT M
COPY OF POSTED NOTICES
AND NEWSPAPER NOTICE ADVERTISEMENT**

SITE NAME: WISDOM RELO / DRY FORK ROAD
NOTICE SIGNS

The signs are at least (2) feet by four (4) feet in size, of durable material, with the text printed in black letters at least one (1) inch in height against a white background, except for the word "**tower**," which is at least four (4) inches in height.

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company propose to construct a telecommunications **tower** on this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00328 in your correspondence.

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company propose to construct a telecommunications **tower** near this site. If you have questions, please contact Pike Legal Group, PLLC, P.O. Box 369, Shepherdsville, KY 40165; telephone: (800) 516-4293, or the Executive Director, Public Service Commission, 211 Sower Boulevard, PO Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00328 in your correspondence.



1578 Highway 44 East, Suite 6
P.O. Box 369
Shepherdsville, KY 40165-0369
Phone (502) 955-4400 or (800) 516-4293
Fax (502) 543-4410 or (800) 541-4410

VIA TELEPHONE: (270) 670-9233
VIA EMAIL: heraldnews@jpinews.com

Edmonton Herald-News
116 S Main Street
P.O. Box 87
Edmonton, Kentucky 42129

RE: Legal Notice Advertisement
Site Name: Wisdom Relo / Dry Fork Road

Dear Edmonton Herald-News:

Please publish the following legal notice advertisement in the next edition of *The Edmonton Herald-News*:

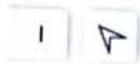
NOTICE

New Cingular Wireless PCS, LLC, a Delaware limited liability company, d/b/a AT&T Mobility and Uniti Towers LLC, a Delaware limited liability company have filed an application with the Kentucky Public Service Commission ("PSC") to construct a new wireless communications facility on a site located on 175 Dry Fork Road, Edmonton, KY 42129 (36° 59' 34.33" North latitude, 85° 41' 17.05" West longitude). You may contact the PSC for additional information concerning this matter at: Kentucky Public Service Commission, Executive Director, 211 Sower Boulevard, P.O. Box 615, Frankfort, Kentucky 40602. Please refer to docket number 2020-00328 in any correspondence sent in connection with this matter.

After this advertisement has been published, please forward a tearsheet copy, affidavit of publication, and invoice to Pike Legal Group, PLLC, P. O. Box 369, Shepherdsville, KY 40165. Please call me at (800) 516-4293 if you have any questions. Thank you for your assistance.

Sincerely,
Chris Shouse
Pike Legal Group, PLLC

EXHIBIT N
COPY OF RADIO FREQUENCY DESIGN SEARCH AREA



500 m
2000 ft

